

MATHEMATICS PACING CALENDAR– TWO SEMESTER PLANNING
PEARSON PRENTICE HALL NEW YORK GEOMETRY
Semester 1

Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Text: Chapter 1: Tools of Geometry						
Lesson 1–1: Patterns and Inductive Reasoning						
Day 1	Part 1: Using Inductive Reasoning	How can we make conjectures using inductive reasoning?	Using inductive reasoning to make conjectures	pp. 4-6: Examples 1-4 Quick Check 1-4 Exercises 1,4,7, 19,25,29	Exercises. 10, 15, 20,27,30 Challenge ex. 33 Test Prep ex 56-59 Mixed Review 60-62	G.PS.2
Lesson 1-2: Drawings, Nets and Other Models						
Day 2	Part 1: Drawing Isometric and Orthographic Views	How do we make isometric and orthographic drawings?	To make isometric and orthographic drawings.	pp. 10–11 Examples 1-3 Quick Check 1-3 Exercises. 2, 5, 7. 19	Exercises 3,6,8,10, 18, 20, 28, 29 Mixed Review 39-45	G. PS.3
Day 3	Part 2: Nets for Three-Dimensional Figures	How can we draw nets for 3 dimensional figures?	To we draw nets for 3 dimensional figures.	pp. 11-12 Examples 4-5 Quick Check 4-5 Exercises 11, 12, 15, 23, 31	Exercises 13, 14, 16, 24, 25, 26, 32 Challenge ex. 33 Test Prep 35-38	

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Lesson 1-3: Points, Lines and Planes						
Day 4	Part 1: Basic Terms of Geometry	What are some basic terms of Geometry	Understand basic terms of Geometry	pp. 16-17 Examples 1-2 Quick Check 1-2 Exercises 1,3,14, 47, 68	Exercises 5,10,15, 48, 50, 55, 69 Mixed Review 85-90	G.CM. 4 G.CM.11
Day 5	Part 2: Basic Postulates of Geometry	What are some basic postulates of Geometry	Understands basic postulates of Geometry	pp. 17-18 Examples 3-4 Quick Check 3-4 Exercises 17, 22, 40, 62, 66	Exercises 20, 25, 30, 35, 61, 65 Challenge ex. 76 Test Prep 80-84	
Text: Lesson 1-4: Segments, Rays, Parallel Lines and Planes				Brief Review: Geometry Chapter 9-lesson 9.2		
Day 6	Part 1: Identifying Segments and Rays	How do we identify segments and rays?	To identify segments and rays.	p. 23: Example 1 Quick Check 1 Exercises 1, 34	Exercises 2,3, 35, 36 Challenge 41-43 Mixed Review 51-66	G.G.8
Day 7	Part 2: Recognizing Parallel Figures	How do we identify parallel lines?	To identify parallel lines.	pp. 24-25 Examples 2-3 Quick Check 2-3 Exercises 4, 6, 10, 20 38	Exercises 7,15, 20, 25, 30 , 39 Challenge 42, 44, 45 Test Prep 46-50	

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Lesson 1-5: Measuring Segments						
Day 8	Part 1: Finding Segment Lengths	How do we find the lengths of segments?	To find the lengths of segments?	pp. 31-33 Examples 1-3 Quick Check 1-3 Exercises 1, 6, 11, 16, 10, 30	Exercises 5, 10, 15, 20, 25, 30, 35 Challenge 37 Test Prep 39-44 Mixed Review 45-55	G.PS.5
Lesson 1-6: Measuring Angles						
Day 9	Part 1: Finding Angle Measures	How do we find angle measures?	To find angle measures.	pp. 36-38 Examples 1-3 Quick Check 1-3 Exercises 1, 5,10, 35 40	Exercises 4, 8, 13, 34, 38, 42,47 Mixed Review 55-59 Challenge 48	G.CM 5
Day 10	Part 2: Identifying Angle Pairs	How do we find angle pairs?	To identify angle pairs.	pp. 38-39 Examples 4-5 Quick Check 4-5 Exercises 15, 20, 25	Exercises 16, 21, 26, 30, 32 Challenge 49 Test Prep 50-54	

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Text: Lesson 1-7: Basic Constructions			Brief Review: Geometry Chapter 1 Lesson 1.4; 1.5			
Day 11	Part 1: Constructing Segments and Angles	How do we construct congruent segments and angles using a compass and straightedge?	To construct congruent segments and angles.	pp. 44-45 Examples 1-2 Quick Check 1-2 Exercises 1, 4, 23, 29,	Exercises 2, 5, 15, 24, 30, 34, Challenge 35 Mixed Review 41-50	G.G.17 G.G.18 G.G.20
Day 12	Part 2: Constructing the perpendicular bisector	How do we bisect segments and angles using a compass and straightedge?	To bisect segments and angles.	pp. 45-47 Examples 3-5 Quick Check 3-5 Exercises 7,13, 16, 25	Exercises 11, 12, 17, 20, 26,33 Challenge 36 Test Prep 37-40	
Text: Lesson 1–8: The Coordinate Plane			Brief Review: Geometry Chapter 6 Lesson 6.4			
Day 13	Part 1: Finding Distance on the Coordinate Plane.	How do we find the distance between 2 points?	To find the distance between 2 points.	pp. 53-54 Examples 1-2 Quick Check 1-2 Exercises 1, 5, 11, 47, 50	Exercises 3, 8, 10, 17, 49, 55 Challenge 57, 58 Mixed Review 70-78	G.PS.6 G.CN.7 G.G.66 G.G.67
Day 14	Part 2: Finding the Midpoint of a Segment.	How do we find the coordinates of the midpoint of a line segment?	To find the coordinates of the midpoint of a line segment.	pp. 54-55 Examples 3-4 Quick Check 3-4 Exercises 18, 23, 30, 35, 40	Exercises 20, 24, 31, 36, 44, 46 Challenge 60, 62 Test Prep 64-69	

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Lesson 1-9: Perimeter, Circumference, and Area						
Day 15	Part 1: Finding Perimeter and Circumference	How do we find perimeters of rectangles, squares, and circumferences of circles	To find perimeter of rectangles, and squares and circumferences of circles.	pp. 61-63 Examples 1-3 Quick Check 1-3 Exercises 1,5,10,15	Exercises 3,8,13, 17 19, 50, 55 Challenge 64, 65 Mixed Review 76-78	.PS 6
Day 16	Part 2: Finding Area.	How do we find areas of rectangles, squares and circles?	To find areas of rectangles, squares and circles.	pp. 63-64 Examples 4-6 Quick Check 4-6 Exercises 20, 25,30,51,56	Exercises 23,28, 32, 40,45,54,60 Challenge 68, 70 Test Prep 71-75	
Text: Chapter 2: Reasoning and Proof Lesson 2-1: Conditional Statements				Brief Review: Geometry Chapter 2, Lesson 2.1		
Day 17	Part 1: Conditional :Statements	How do we recognize conditional statements?	To recognize conditional statements.	pp. 80-81 Examples 1-4 Quick Check 1-4 Exercises 1,5,10,15,33	Exercises 3, 8, 17,20, 34, 39 Challenge 59 Mixed Review 68-78	G.G.25 G.G.26
Day 18	Part 2 Converses	How do we write converses and conditional statements?	To write converses and conditional statements.	pp. 81-82 Examples 5-7 Quick Check 5-7 Exercises 23, 28, 36, 41	Exercises 25, 29,30, 37, 45 Challenge 60, 63 Test Prep 64-67	

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Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Text: Lesson 2-2: Biconditionals and Definitions Brief Review: Geometry Chapter 2, Lesson 2.1, Lesson 2.3						
Day 19	Part 1: Writing Biconditionals	How do we write biconditionals?	To write biconditionals.	pp. 87-88 Examples 1-2 Quick Check 1-2 Exercises 1, 6, 11, 39	Exercises 5,10,12,32,40,43 Challenge 47 Mixed Review 55-69	G.G.25
Day 20	Part 2: Recognizing Good Definitions	How can we recognize good definitions?	To recognize good definitions.	pp. 88-89 Examples 3-4 Quick Check 3-4 Exercises 13, 19, 25, 34	Exercises 15, 18,26, 30 35,37 Challenge 48 Test Prep 50-54	
Lesson 2-3: Deductive Reasoning						
Day 21	Part 1: Using the Law of Detachment	How do we use the Law of Detachment?	To use the Law of Detachment?	pp. 94-95 Examples 1-3 Quick Check 1-3 Exercises 1,3, 6, 22	Exercises 2,4,7 9,23,24, 25,26 Mixed Review 38-44	G.PS. 4 G.RP 7
Day 22	Part 2: Using the Law of Syllogism	How do we use the Law of Syllogism?	To use the Law of Syllogism	pp. 95-96 Examples 4-5 Quick Check 4-5 Exercises 10,12, 15, 27	Exercises 13,16,19,21,28, 30,32 Challenge 33 Test Prep 34-37	

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Lesson 2-4: Reasoning in Algebra						
Day 23	Part 1: Connecting Reasoning in Algebra and Geometry	How can we connect reasoning in algebra and geometry?	To connect reasoning in algebra and geometry.	pp. 103-105 Examples 1-3 Quick Check 1-3 Exercises 1,7, 13, 18, 22	Exercises 3,8,10, 15,20, 25,30 Challenge 31, 33,36 Mixed Review 43-53 Test Prep 38-42	G.PS.8
Lesson 2-5: Proving Angles Congruent						
Day 24	Part 1: Theorems About Angles	How do we prove and apply theorems about angles?	To prove and apply theorems about angles?	pp. 110-112 Examples 1-2 Quick Check 1-2 Exercises 1,4,7, 12,24	Exercises 5,10, 15,20,22, 26,28 Challenge 29,31 Mixed Review 40-47 Test Prep 33-39	G.PS.4 G.G.35

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Text: Chapter 3: Parallel and Perpendicular Lines				Brief Review: Geometry Chapter 1 Lesson 1.3		
Lesson 3-1:: Properties of Parallel Lines						
Day 25	Part 1: Identifying Angles	What angles are formed by parallel lines and a transversal?	Identify angles formed by 2 lines and a transversal	pp. 127-128 Examples 1-2 Quick Check 1-2 Exercises 1,4,19, 26	Exercises 3,5,8,20,21,27,32 Challenge 32 Mixed Review 42-50	G.PS.4 G.PS.8, G.G.35
Day 26	Part 2: Properties of Parallel Lines	What are the properties of parallel lines?	Prove and use properties of parallel lines	pp. 128-130 Examples 3-5 Quick Check 3-5 Exercises 9, 14, 23	Exercises,10, 12, 15, 18, 25,29 Challenge 31, 34 Test Prep 37-41	
Text: Lesson 3-2: Proving Lines Parallel				Brief Review: Geometry Chapter 1 Lesson 1.3		
Day 27	Part 1:Using a Transversal	How can we prove 2 lines are parallel?	Use a transversal in proving lines parallel.	pp. 134-137 Examples 1-3 Quick Check 1-3 Exercises 1,5,10,15,20, 24	Exercises 4, 7, 11, 16, 22, 25, 27, 29,30 Challenge 43 Mixed Review 51-65 Test Prep 46-50	G.PS.8 G.RP.2 G.G.35

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Lesson 3-3: Parallel and Perpendicular Lines						
Day 28	Part 1: Relating Parallel and Perpendicular Lines	How do we relate parallel and perpendicular lines?	Relate parallel and perpendicular lines.	pp. 141-142 Examples 1-2 Quick Check 1-2 Exercises 1,4, 5, 6	Exercises 2, 3, 7, 8, 9, 10,11,12, 13 Challenge 15, 20 Mixed Review26-29 Test Prep 24-25	G.RP 2 G.G.35
Text:Lesson 3-4: Parallel Lines and the Triangle Angle-Sum Theorem				Brief Review: Geometry Chapter 1 Lesson 1.3, Chapter 3 Lesson 3.1 Chapter 5 Lesson 5.1		
Day 29	Part 1: Finding Angle Measures in Triangles	How do we classify triangles and find the measures of their angles?	To classify triangles	pp. 146-148 Examples 1-3 Quick Check 1-3 Exercises 1,5, 10, 15, 23	Exercises 3 ,7, 9, 12, 24, 28, 34 Challenge 37 Mixed Review45-49	G.G.30 G.G.32 G.G.36 G.G.37
Day 30	Part 2: Using Exterior Angles of Triangles	How do we find angles using the exterior angles of triangles?	Use exterior angles of triangles	pp. 149-150 Examples 4-5 Quick Check 4-5 Exercises 16, 18, 19	Exercises 17, 20, 21,22, 26, 33, 35 Challenge 38, 40 Test Prep 42-44	

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Text: Lesson 3-5: The Polygon Angle-Sum Theorems				Brief Review: Geometry Chapter 1, Lesson 1.3 Chapter 5 Lesson 5.1		
Day 31	Part 1: Classifying Polygons	How do we classify polygons?	Classify Polygons	pp. 157-158 Examples 1-3 Quick Check 1-3 Exercises 1,3,5,7	Exercises 2,4,6,8,10,50,52 Challenge 60, 62 Mixed Review 71-86	G.G. 32 G.G. 36 G.G. 37
Day 32	Part 2: Polygon Angle Sums	How can we find the sum of the interior and exterior angles of polygons.	Finding sums of interior and exterior angles of polygons.	pp. 159-160 Examples 4-5 Quick Check 4-5 Exercises 11,15, 20,25	Exercises 13, 17,22, 30, 35,36,37, 54 Challenge 57,58 Test Prep 64-70	
Text: Lesson 3-6: Lines in the Coordinate Plane				Brief Review: Geometry Chapter 6, Lesson 6.4, 6.5		
Day 33	Part 1: Graphing Lines	How do we graph lines from an equation?	To graph lines given their equations.	pp. 166-167 Examples 1-3 Quick Check 1-3 Exercises 1,5,10,15, 35	Exercises 4, 8, 11,16,36,38,46 Challenge 58,60 Mixed Review 70-80	G.G.65
Day 34	Part 2: Writing Equations of Lines	How do we write equations of lines?	To write equations of lines.	pp. 168 Examples 4-6 Quick Check 4-6 Exercises 17,25, 30,39, 48	Exercises 19, 20,27, 32, 42,44, 49, 55 Challenge 62,64 Test Prep 64-69	

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Lesson 3-7: Slopes of Parallel and Perpendicular Lines				Brief Review: Geometry Chapter 6, Lesson 6.1, 6.2 6.4, 6.5		
Day 35	Part 1: Slope and Parallel Lines	How can we relate slope and parallel lines?	To relate slope and parallel lines.	pp. 174-175 Examples 1-3 Quick Check 1-3 Exercises 2, 5, 7,12	Exercises 4, 8, 10, 13,15 Challenge 47 Mixed Review 53-61	G.G.62 G.G.63 G.G.64
Day 36	Part 2: Slope and Perpendicular Lines	How do we relate slope and perpendicular lines?	To relate slope and perpendicular lines.	pp. 175-177 Examples 4-6 Quick Check 4-6 Exercises 16, 23, 27 34	Exercises 18, 20, 22,26,30, 35 Challenge 46 Test Prep 49-52	
Text: Lesson 3-8: Constructing Parallel and Perpendicular Lines				Brief Review: Geometry Chapter 1 Lesson 1.5		
Day 37	Part 1: Constructing Parallel Lines	How do we construct parallel lines?	To construct parallel lines?	pp. 181-182 Examples 1-2 Quick Check 1-2 Exercises 1,3,7, 16	Exercises 4, 6, 14,15 , 27 Challenge 33, 35 Mixed Review 41-47	G.G. 19
Day 38	Part 2: Constructing Perpendicular Lines	How do we construct perpendicular lines?	To construct perpendicular lines.	pp. 182-183 Examples 3-4 Quick Check3- 4 Exercises 8, 10, 12, 17	Exercises 9, 11, 13, 18, 20, 22,26 Challenge 4628, 30 Test Prep 37-40	

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Text: Chapter 4: Congruent Triangles			Brief Review: Chapter 3, Lesson 3.4			
Lesson 4-1: Congruent Figures						
Day 39	Part1: Congruent Figures	How do we recognize congruent figures?	To recognize congruent figures and their corresponding parts.	pp. 198-200 Examples 1-4 Quick Check 1-4 Exercises 1,5, 10, 20, 34	Exercises. 4, 7, 12, 18, 25, 29, 35, 36 Challenge ex. 46-48 Test Prep ex 49-52 Mixed Review 53-59	G.G.27, G.G.28
Text: Lesson 4-2: Triangle Congruence by SSS and SAS			Brief Review: Chapter 3, Lesson 3.4			
Day 40	Part 1: Using the SSS and SAS Postulates	How do we prove 2 triangles congruent by SAS and SSS?	To prove 2 triangles congruent using the SAS and SSS postulates	pp. 205-207 Examples 1-3 Quick Check 1-3 Exercises 1, 5,8, 10, 17	Exercises 4, 8, 13, 16, 20, 23, 27 Challenge 41, 43 Test Prep 44-47 Mixed Review 48-55	G.G.27, G.G.28
Text: Lesson 4-3: Triangle Congruence by ASA and AAS			Brief Review: Chapter 3, Lesson 3.4			
Day 41	Part 1: Using the ASA Postulate and the AAS Theorem	How do we prove 2 triangles congruent by ASA and AAS?	To prove 2 triangles congruent using the ASA and AAS postulates	pp.213-215 Examples 1-4 Quick Check 1-4 Exercises 1,4,8,12, 16	Exercises 2,3,5,7,9, 11,13,14,15 Challenge 28, 30 Test Prep 33-36 Mixed Review 37-43	G.G.27
Lesson 4-4: Using Congruent Triangles: CPCTC						
Day 42	Part 1: Proving Parts of Triangles Congruent	How do we use CPCTC in proving parts of congruent triangles?	To we use CPCTC in proving parts of congruent triangles.	pp.221-222 Examples 1-2 Quick Check 1-2 Exercises 1,2,3,4,5	Exercises 6,7, 8, 9,10,11 Challenge 20, 21 Test Prep 22-25 Mixed Review 26-31	G.G.29

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Text: Lesson 4-5: Isosceles and Equilateral Triangles				Brief Review: Chapter 3, Lesson 3.1		
Day 43	Part 1: The Isosceles Triangle Theorem	How can we use properties of isosceles triangles?	To use and apply properties of isosceles triangles.	pp. 228-230 Examples 1-3 Quick Check 1-3 Exercises 1,5,10,15,20,25	Exercises 4,8,12,16, 22,28,32 Challenge 35, 37 Test Prep 41-44 Mixed Review 45-48	G.G.31
Text> Lesson 4-6: Congruence in Right Triangles				Brief Review: Chapter 3, Lesson 3.4		
Day 44	Part 1: The Hypotenuse-Leg Theorem	How do we prove triangles congruent using the HL theorem?	To prove triangles congruent using the HL theorem.	pp. 235-237 Examples 1-3 Quick Check1-3 Exercises 1,3,7,10,15,18	Exercises 4,8,11,14, 16,20,22,24 Challenge 25, 26 Test Prep 27 -30 Mixed Review 31-39	G.G.28
Text: Lesson 4-7: Using Corresponding Parts of Congruent Triangles				Brief Review: Chapter 3, Lesson 3.4		
Day 45	Part 1: Using Overlapping Triangles in Proofs	How can we identify congruent overlapping triangles?	To identify congruent overlapping triangles?	pp. 241-242 Examples 1-2 Quick Check1-2 Exercises 1,4,9,13	Exercises 2,3,5, 6, 7, 10,12,14 Challenge 23 Test Prep 26-28 Mixed Review 31-33	G.G.29
Day 46	Part 2: Using Two Pairs of Congruent Triangles	How can we prove 2 triangles congruent by first proving 2 others congruent?	To prove 2 triangles congruent by first proving 2 others congruent?	pp. 242-243 Examples3-4 Quick Check 3-4 Exercises 10, 16,18	Exercises 11, 17,18, 19, 20, 21,22 Challenge 24 Test Prep 29-30 Mixed Review 34- 40	

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Text: Chapter 5: Relationships Within Triangles				Brief Review: Chapter 4, Lesson 4.1, 4.2		
Lesson 5-1: Mid-segments of Triangles						
Day 47	Part1: Using Properties of Mid-segments	How can we use properties of mid-segments to solve problems?	To use properties of mid-segments to solve problems.	pp. 259-261 Examples 1-3 Quick Check 1-3 Exercises 1,5 ,9, 14,18	Exercises 2,4,7,11, 15, 20,23, 26,28,33 Challenge 35, 36 Test Prep 37-43 Mixed Review 44-52	G.G.21, G.G.42
Text: Lesson 5-2: Bisectors in Triangles				Brief Review: Chapter 4, Lesson 4.2		
Day 48	Part 1: Perpendicular Bisector and Angle Bisectors	How can we use properties of perpendicular bisectors and angle bisectors?	To use properties of perpendicular bisectors and angle bisectors.	pp. 255-267 Examples 1,2 Quick Check Exercises 1, 9, 15, 20, 22,24,26	Exercises 3, 7,10, 14, 17,25, 28, 33, 37, 43, 45, 48 Challenge 49 Test Prep 51-55 Mixed Review56-67	G.G.21

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Text: Lesson 5-3: Concurrent Lines, Medians, and Altitudes				Brief Review: Chapter 4, Lesson 4.2		
Day 49	Part 1: Properties of Bisectors	How can we identify properties of perpendicular bisectors and angle bisectors?	To identify properties of perpendicular bisectors and angle bisectors.	pp.272-274 Examples 1-2 Quick Check 1-2 Exercises 1, 5, 10, 17, 24, 30	Exercises 3, 6, 8, 18, 19, 24, 29,31	G.G.21, G.G.43
	Activity Lab: Special Segments in Triangles	How can we construct perpendicular bisectors, medians and angle bisectors?	To construct perpendicular bisectors, medians and angle bisectors	p. 271 Examples 1-3 (Use geometry software)	Exercises 4-6 (Use geometry software)	
Day 50	Part 2: Medians and Altitudes	How can we identify properties of medians and altitudes of triangles?	To identify properties of medians and altitudes of triangles.	pp. 274-275 Examples 3-4 Quick Check 3-4 Exercises 11, 12, 15, 20, 26, 27	Exercises 13, 14, 16, 22, 23, 25, 28, 32 Challenge 33, 35 Test Prep 37-41 Mixed Review 42-51	G.G.21, G.G.43
Text: Lesson 5-4: Inverses, Contra positives, and Indirect Reasoning				Brief Review: Chapter 2, Lesson 2.1, 2.3		
Day 51	Part 1: Writing the Negation, Inverse, and Contra positive	How can we write the negation, inverse, and contra-positive of a conditional statement?	To write the negation, inverse, and contra-positive of a conditional statement?	pp.280-281 Examples 1-2 Quick Check 1-2 Exercises 1, 3, 7 22, 32	Exercises 2, 4, 5, 8, 8,9, 23–28, 33, 34 Challenge 41	G.G.24, G.G.26

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Day 52	Part 2:: Using Indirect Reasoning	How do we use indirect reasoning?	To use indirect reasoning.	pp.281-283 Examples 3-5 Quick Check 3-5 Exercises 10, 15,21 29 35	Exercises 11–14, 16–20,30,31,36-40 Test Prep 42-46 Mixed Review 47-55	G.G.24, G.G.26
Text: Lesson 5-5: Inequalities in Triangles				Brief Review: Chapter 3, Lesson 3.1, 3.2		
Day 53	Part 1: Inequalities Involving Angles of Triangles	How do we use inequalities involving angles of triangles?	To use inequalities involving angles of triangles?	pp. 289-290 Examples 1-2 Quick Check1-2 Exercises 1,4,5, 30,	Exercises 2, 3, 6, 7, 8,9,33 Challenge 38 Test Prep 42-45 Mixed Review 50-55	G.G.33, G.G.34
Day 54	Part 2: Inequalities Involving sides of Triangles	How do we use inequalities involving sides of triangles?	To use inequalities involving sides of triangles.	pp. 290-291 Examples 3-5 Quick Check 3-5 Exercises 10, 15, 20,25, 32	Exercises 11, 14,17,19, 22,24,6, 29,31,35 Challenge 39, 40 Test Prep 46-49 Mixed Review 56-61	G.G.33, G.G.34

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Chapter 6: Quadrilaterals						
Lesson 6 – 1: Classifying Quadrilaterals						
Day 55	Part 1: Classifying Special Quadrilaterals	How do we define and classify special types of quadrilaterals?	To define and classify special types of quadrilaterals.	pp. 306-308 Examples 1-3 Quick Check 1-3 Exercises 1,5,10, 15, 20,36	Exercises 3,7,11,22,27,35,36,4 2,47,50, Challenge 56,58 Test Prep 60-64 Mixed Review 65-74	G.CM 11
Lesson 6 – 2: Properties of Parallelograms						
Day 56	Part 1: Properties: Sides and Angles	How do we use relationships among sides and angles of parallelograms?	To we use relationships among sides and angles of parallelograms.	pp. 312-313 Examples 1-2 Quick Check 1-2 Exercises 1,5,10, 31, 35, 41	Exercises 3,7, 13, 32, 34, 39, 42, 43, 44 Challenge 59, 60 Test Prep 54-57 Mixed Review 61-64	G.G.38
Day 57	Part 2: Properties: Diagonals and Transversals	How do we use relationships involving diagonals of parallelograms?	To use relationships involving diagonals of parallelograms.	pp. 314-315 Examples 3-4 Quick Check3-4 Exercises 14,16, 25, 28, 30, 45	Exercises17,20,23,27 40, 41,43,46,48, 50 Challenge 51, 52 Test Prep 58-60 Mixed Review 65-67	G.G.38
Text: Lesson 6 – 3: Proving that a Parallelogram is a Quadrilateral Brief Review: Chapter 5, Lesson 5.2, 5.3						
Day 58	Part 1: Proving that a Quadrilateral is a Parallelogram Activity Lab: Geo-Models	How do we determine whether a quadrilateral is a Parallelogram?	To determine whether a quadrilateral is a Parallelogram.	pp. 321-324 Examples 1-3 Quick Check 1-3 Exercises 1,5,8,12, 18, 20 p. 320 ex. 1-4 Geo Boards	Exercises 2,4,7,9,11, 13,15,17,19,22, 25 Challenge 27 Test Prep 29-32 Mixed Review 33-39	G.G.38, G.G.41

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Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Text: Lesson 6 – 4: Special Parallelograms				Brief Review: Chapter 5, Lesson 5.2, 5.3		
Day 59	Part 1: Diagonals of Rhombuses and Rectangles	How can we use properties of rhombuses and rectangles?	To use properties of rhombuses and rectangles	pp. 329-331 Examples 1-2 Quick Check 1-2 Exercises 1,5,10, 12, 45, 50	Exercises 2,4,6, 7-9, 13-15,44,46,50,53,59 Challenge 60 Test Prep 64-66 Mixed Review 67-71	G.G.39, G.G. 41
Day 60	Part 2: Is the Parallelogram a Rhombus or a Rectangle?	How can we determine whether a parallelogram is a rhombus or a rectangle?	To determine whether a parallelogram is a rhombus or a rectangle	pp. 331-332 Examples 3-4 Quick Check 3-4 Exercises 16, 23, 27, 30, 35, 40, 41	Exercises 17-21, 25, 32, 36, 42, 48, 49 Challenge 62 Mixed Review 72-76	
	Activity Lab: Diagonals of Parallelograms.		To use geometry software.	p. 328 use software to construct.	p. 328 ex. 1-3	G.PS.3
Text: Lesson 6 – 5: Trapezoids and Kites				Brief Review: Chapter 5, Lesson 5.2, 5.3		
Day 61	Part 1: Properties of Trapezoids and Kites Activity Lab: Quadrilaterals within Quadrilaterals	How can we verify and use properties of trapezoids and kites?	To verify and use properties of trapezoids and kites.	pp.336-338 Examples 1-3 Quick Check 1-3 Exercises 1,5,8,11, 22,26	Exercises 2,4,7,12, 15,18,23, 27, 28 Challenge 40, 42 Test Prep 45-50 Mixed Review 51-56	G.G.40, G.G.41

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Lesson 6 – 6: Placing Figures in the Coordinate Plane						
Day 62	Part 1: Naming Coordinates	How do we name coordinates of special figures by using their properties?	To name coordinates of special figures by using their properties	pp. 343-344 Examples 1-2 Quick Check 1-2 Exercises 1,5,7,10,15,20	Exercises 2,4,6,8,12,16,22,24,27 Challenge 28,29 Test Prep 30-33 Mixed Review 34-37	G.PS.5,G.R.1
Lesson 6 – 7: Proofs Using Coordinate Geometry						
Day 63	Part 1: Building Proofs in the Coordinate Plane	How do we prove theorems using figures in the coordinate plane?	To prove theorems using figures in the coordinate plane	pp. 348-349 Examples 1-2 Quick Check 1-2 Exercises 1,5,10,15,20,25,30	Exercises 3,6,11,14,17,22,26,28,35 Challenge 37,38 Test Prep 42-45 Mixed Review 46-53	G.G.66, G.G.67

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Pac- ing	Chapter/Lesson/ Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Chapter 7: Similarity						
Lesson 7-1: Ratios and Proportions						
Day 1	Part1: Using Ratios and Proportions	How do we write ratios and solve proportions?	To write ratios and solve proportions.	pp. 366-368 Examples 1-4 Quick Check 1-4 Exercises 1,5, 10, 20, 29, 30, 35	Exercises. 4, 7, 12, 18, 25, 32, 34, 36, 39, 43, 50, 55 Challenge ex. 56, 59 Test Prep ex 62-66 Mixed Review 67-77	G.CN.4
Lesson 7-2: Similar Polygons						
Day 2	Part 1: Similar Polygons	How do we identify similar polygons?	To identify similar polygons.	pp. 373-374 Examples 1-3 Quick Check 1-3 Exercises 1, 5,8, 10, 16, 24, 30	Exercises 4, 8, 13, 21, 26,28, 34, 37,39 Challenge 51 Test Prep 53-56 Mixed Review 57-66	G.RP.2
Day 3	Part 2:	How can we apply similar polygons?	To apply similar polygons.	pp.374-375 Examples 4-5 Quick Check 4-5 Exercises 31, 40	Exercises 41 – 50 Challenge 52	
	Activity Lab: Solving Quadratic Equations	How do we use the quadratic formula?	To use the quadratic formula.	p. 372 Examples 1-2 Exercises 1-3	p. 372 Exercises 4 – 9	
Text: Lesson 7-3: Proving Triangles Similar Brief Review: Chapter 3, Lesson 3.3						
Day 4	Part 1: The AA postulate and the SAS and SSS similarity theorems.	How do we use AA, SAS, and SSS similarity?	To use AA, SAS, and SSS similarity.	pp.382-384 Examples 1-2 Quick Check 1-2 Exercises 1,5,9,22,25	Exercises 6,7, 8, 23, 25,26,24,27,40 Challenge 42,43 Test Prep 45-48 Mixed Review 49-52	G.G.44, G.G.45

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Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Day 5	Part 2: Applying AA, SAS, and SSS similarity.	How can we apply the AA, SAS, and SSS similarity?	To use and apply properties of isosceles triangles.	pp. 384-385 Examples 3-4 Quick Check 3-4 Exercises 10,12,15,20,25	Exercises 21, 22, 28, 32, 29-39 Challenge 44 Test Prep 41-44 Mixed Review 53-57	G.G.44, G.G.45
Text: Lesson 7-4: Similarity in Right Triangles			Brief Review: Chapter 3, Lesson 3.3, Chapter 4, Lesson 4.4			
Day 6	Part 1: Using Similarity in right triangles.	How can we find and use relationships in similar right triangles?	To find and use relationships in similar right triangles.	pp. 391-393 Examples 1-3 Quick Check 1-3 Exercises 1,6,12,18,24,30,36	Exercises 3,9,15,20,22, 27, 28, 32,35, 37, 40, 45, 50 Challenge 52-54 Test Prep 55-59 Mixed Review 60-67	G.G.45, G.G.47
Text: Lesson 7-5: Proportions in Triangles			Brief Review: Chapter 3, Lesson 3.3			
Day 7	Part 1: Using the side splitter theorem	How can we use the side splitter theorem?	To use the side splitter theorem.	pp. 398-399 Examples 1-2 Quick Check1-2 Exercises 1,4,9,26,31, 34, 42	Exercises 2, 3,5, 6, 7, 10,27,32,35,40,41,43 Challenge 45 Test Prep 48-51 Mixed Review 52-59	G.G.45, G.G.46
Day 8	Part 2: Using the triangle-angle bisector theorem.	How do we use the triangle-angle bisector theorem?	To use the triangle-angle bisector theorem	p. 400 Examples3 Quick Check 3 Exercises 11, 15, 18, 24, 32	Exercises 12, 15, 20, 22, 17, 19, 20,22, 29, 40,44 Challenge 46 Mixed Review 60-65	

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Text: Chapter 8:. Right Triangles and Trigonometry				Brief Review: Chapter 4, Lesson 4.3		
Lesson 8-1: The Pythagorean Theorem and its Converse						
Day 9	Part1: The Pythagorean Theorem	How can we use the Pythagorean Theorem?	To use the Pythagorean Theorem.	pp. 417-419 Examples 1-3 Quick Check 1-3 Exercises 1,5 ,9, 14, 27, 35	Exercises 2, 4, 7,11, 15, 17, 28, 29, 33, 48, 50 Challenge 54,,56 Mixed Review 65-69	G.G.48
	Activity Lab: The Pythagorean Theorem			p. 416 Examples 1-3	p. 416 Exercises 5, 6	
Day 10	Part 2: The Converse of the Pythagorean Theorem	How can we use the converse of the Pythagorean Theorem?	To use the converse of the Pythagorean Theorem.	p. 419 Examples 4-5 Quick Check 4-5 Exercises 18, 22, 30, 40, 42	Exercises 19,, 21, 23, 31, 41,43, 44, 45 Challenge 58 Test Prep 59-64 Mixed Review 70-73	
Text: Lesson 8-2: Special Right Triangles				Brief Review: Chapter 4, Lesson 4.3		
Day 11	Part 1: Using 45° - 45° - 90° Triangles.	How can we use the properties of 45° - 45° - 90° Triangles?	To use properties of 45° - 45° - 90° Triangles.	pp. 425-426 Examples 1-3 Quick Check 1-3 Exercises 1, 4,8, 21	Exercises 2,3, 5,6,7,22, 26 Challenge 27 Test Prep 29-32 Mixed Review33-37	G.G.48
Day 12	Part 2: Using 30° - 60° - 90° Triangles	How can we use properties of 30° - 60° - 90° Triangles?	To use properties of 30° - 60° - 90° Triangles.	pp. 426-42 Examples 4-5 Quick Check 4-5 Exercises 9,11,15, 23	Exercises 10, 12,13, 14,16,18, 24,25 Mixed Review 38-41	

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Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Lesson 8-3: The Tangent Ratio						
Day 13	Part 1: Using Tangent in triangles.	How can we use the tangent ratio to determine side lengths in triangles?	To use the tangent ratio to determine side lengths in triangles.	pp.432-434 Examples 1-3 Quick Check 1-2 Exercises 1,5,10, 15,20,25,30	Exercises 3, 6, 8, 13, 15, 18, 21, 23, 27, 29,31, 33, 42,45 Challenge 48, 50 Test Prep 59-65 Mixed review 66-70	G.PS.5, G.PS. 10
Lesson 8-4: Sine and Cosine Ratios						
Day 14	Part 1: Using Sine and Cosine in Triangles	How can we use Sine and Cosine in Triangles?	To use Sine and Cosine in Triangles.	pp.439-440 Examples 1-3 Quick Check 1-3 Exercises 1,7,15, 18, 22, 25	Exercises 2, 5, 8, 9, 10, 17, 21, 26, 27, 29, 30 Challenge 32, 34 Test Prep 37-40 Mixed Review 41-47	G.PS.5, G.PS. 10

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Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Lesson 8-5: Angles of Elevation and Depression						
Day 15	Part 1: Use angles of elevation and depression to solve problems.	How do we use angles of elevation and depression to solve problems?	To use angles of elevation and depression to solve problems.	pp. 445-446 Examples 1-3 Quick Check 1-3 Exercises 1, 4, 5, 10, 15, 16	Exercises 2, 3, 6, 8, 17, 20, 22, 24, 26, 28 Challenge 29, 30 Test Prep 31-34 Mixed Review 35-40	G.PS.5, G.PS. 10
	Activity Lab: Measuring from Afar.	How do we use trigonometric ratios to find height?	To use trigonometric ratios to find height.	p. 444 Examples 1-3	p. 444 Exercises 5-7	
Lesson 8-6: Vectors Optional Lesson						
Text: Chapter 9: Transformations Lesson 9– 1: Translations				Brief Review: Chapter 7, Lesson 7.1, 7.3, 7.4, 7.5		
Day 16	Part 1: Identifying Isometries.	How do we Identify Isometries?	To Identify Isometries.	pp. 470-471 Examples 1-2 Quick Check 1-2 Exercises 1, 5,	Exercises 2, 3, 4, 6, Mixed Review 42-46 Challenge 35	G.G. 57, G.G. 61
Day 17	Part 2: Translations	How do we find translation images of figures?	To find translation images of figures	pp. 471-472 Examples 3-5 Quick Check 3-5 Exercises 7, 11, 15, 20	Exercises 10, 14, 16, 19, 25, 30, 32, 34 Challenge 36 Test Prep 37-41	

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Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Text: Lesson 9– 2: Reflections		Brief Review: Chapter 7, Lesson 7.1, 7.3, 7.4, 7.5				
Day 19	Part 1: Finding Reflection Images	How do we find Reflection Images of figures?	To find Reflection Images of figures.	pp. 478-479 Examples 1-2 Quick Check 1-3 Exercises 1,5, 10, 15, 20, 25	Exercises 3, 7, 13, 16, 22, 27, 30, 32, 34, 37 Challenge 38, 39 Test Prep 47-52 Mixed Review 53-58	G.G.57, G.G. 61
Day 20	Activity Lab: Paper Folding and Reflections	How is a figure and its reflection related?	To use tracing paper to see how a figure and its reflection are related	p. 477 Activity 1 Examples 1-4	p. 477 Activity 2: Examples 5, 6 Challenge 40, 42,44	G.G.55
Text: Lesson 9– 3: Rotations		Brief Review: Chapter 7, Lesson 7.1, 7.4, 7.5				
Day 21	Part 1: Drawing and Identifying Rotation Images	How do we draw and Identify rotation images?	To draw and Identify rotation images.	pp. 483-485 Examples 1-4 Quick Check 1-4 Exercises 1,5, 8,12, 18, 22, 25, 30	Exercises 2, 4,7, 9,11, 20, 23, 29, 31, 33 Challenge 34 Test Prep 35-39 Mixed Review 40-47	G.G 54, G.G. 57
Day 22	Activity Lab: Tracing Paper Transformations.	How do we use tracing paper to perform translations and rotations?	To use tracing paper to perform translations and rotations.	pp. 490-491 Activity 1,2,3	pp. 491 exercises 16-18	

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Lesson 9– 4: Symmetry						
Day 23	Part 1: Identifying Types of Symmetries in Figures.	How can we Identify Types of Symmetries in a Figure?	To Identify Types of symmetries in a figure.	pp492-493 Examples 1-2 Quick Check 1-2 Exercises 1,5,10,15, 20	Exercises 2,4, 8, 11,16, 23 Challenge 45, 46,47 Mixed Review 57-61	G. G. 54
Day 24				Example 3 Quick Check 3 Exercises 25, 27, 30, 32	Exercises 33-44 Challenge 48, 49, 50 Test Prep 51- 56	
Text: Lesson 9– 5:: Dilations			Brief Review: Chapter 7, Lesson 7.3, 7.4			
Day 25	Part 1: Locating Dilation Images	How can we verify and use properties of trapezoids and kites?	To verify and use properties of trapezoids and kites.	pp.498-499 Examples 1-2 Quick Check 1-2 Exercises 1,5,8,11, 22,26, 30	Exercises 2,7,12, 15,18,23, 27, 28, 29, 32, Challenge 62, 63 Mixed Review 72-75	G.G. 58 G.G. 61
Day 26				pp.498-499 Example 3 Quick Check 3 Exercises 24, 31, 33, 35, 37	38, 40, 48, 50, 53, 55, 58, 60, 61 Challenge 64, 66 Mixed Review 76-81 Test Prep 67-71	

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Pac- ing	Chapter/Lesson/ Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Text: Lesson 9– 6: Composition of Reflections				Brief Review: Chapter 7, Lesson 7.1, 7.3, 7.5		
Day 26	Part 1: Composition of Reflections	How do we use a composition of reflections?	To use a composition of reflections.	pp. 506-507 Examples 1-3 Quick Check 1-3 Exercises 1,5,7, 9, 25, 26	Exercises 2, 3, 4,6,8, 31-34 Challenge 46-48 Test Prep 55-58 Mixed Review 59 - 62	G.G.57, G.G.60
Pac- ing	Chapter/Lesson/ Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Day 27	Part 2: Glide Reflections	How we identify glide reflections?	To identify glide reflections.	pp. 508-509 Examples 4-5 Quick Check 4-5 Exercises 10, 12,14,16,18,20,22, 24, 28,	Exercises 11,13,15, 17,19,21, 23, 27,30,36,38, 40, 44 Challenge 50 Mixed Review 63-67	G.G.57, G.G.60
Lesson 9– 7: Tessellations						
Optional Lesson						

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Chapter 10: Area						
Lesson 10–1: Areas of Parallelograms and Triangles						
Day 28	Part 1: Area of a Parallelogram	How can we find the area of a parallelogram?	Finding areas of parallelograms.	pp. 534-535: Examples 1-2 Quick Check 1-2 Exercises 1,4,11, 13,14	Exercises. 2,3, 12, 15,16, 24-28 Challenge ex. 37 Mixed Review 45-50	CM.1, CM.2, GR.6
Day 29	Part 2: Area of a Triangle	How can we find the area of a triangle?	Finding areas of triangles.	pp. 535-536 Examples 3-4 Quick Check 3-4 Examples 7,9 17, 20,29, 33 Quick Check 3-4	Exercises.8,10,30, 32, 35,36 Challenge ex. 38, 39 Test Prep ex 40-44 Mixed Review 51-55	
Lesson 10-2: Areas of Trapezoids, Rhombuses and Kites						
Day 30	Part 1: Area of a Trapezoid	How can we find the area of a trapezoid?	Finding Areas of Trapezoids	pp. 540-541 Examples 1-2 Quick Check 1-2 Exercises. 2, 4, 6, 17, 20	Exercises 1,3,,8,10, 18, 21,23,33, 28 Challenge ex. 35 Mixed Review 43-48	CM.1, CM.2, GR.6
Day 31	Part 2: Finding Areas of Rhombuses and Kites	How can find the area of rhombuses and kites?	Finding Areas of Rhombuses and Kites	pp. 541-542 Examples 3-4 Quick Check 3-4 Exercises 11, 12, 15, 23, 31	Exercises 13, 14, 16, 24, 25, 26, 32 Challenge ex. 36 Test Prep 38-42	

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Lesson 10-3: Areas of Regular Polygons						
Day 32	Part 1: Areas of Regular Polygons	How can we find areas of regular polygons?	Finding areas of regular polygons.	pp. 546-547 Examples 1-3 Quick Check 1-3 Exercises 5,10,15,20,25,30	Exercises 4, 11, 16, 22, 28, 32, 34 Challenge 37, 38 Test Prep 39-43 Mixed Review 44-50	CM.1, CM.2, GR.6
Lesson 10-4: Perimeters and Areas of Similar Figures						
Day 33	Part 1: Finding Perimeters and Areas of Similar Figures	How do we find Perimeters and Areas of Similar Figures?	Finding Perimeters and Areas of Similar Figures..	pp. 553-555 Examples 1-2 Quick Check 1-2 Exercises 1, 5, 7, 9, 12,15,	Exercises 2,3,8, 14, 35,36 Challenge 41-42 Mixed Review 51-59	CM.1, CM.4, GR.3, GR.6
Day 34				pp. 553-555 Examples 3-4 Quick Check 3-4 Exercises 18, 20, 37	Exercises 22, 25, 27, 30,32,34, Challenge 43, 44, Test Prep 45-49 Mixed Review 60-66	

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Lesson 10-5: Trigonometry and Area						
Day 35	Part 1: Finding the Area of a Regular Polygon	How do we find the Area of a Regular Polygon?	To find the Area of a Regular Polygon using trigonometry..	pp. 559-560 Examples 1-2 Quick Check 1-2 Exercises 2,5, 7 10, 20, 25	Exercises 1,3, 8, 18, 23, 26, 28 Challenge 35 Mixed Review 43-48	CM.1, CM.4, GR.3, GR.6
Day 36	Part 2: Finding the Area of a Triangle.	How do we find the Area of a Triangle?	Finding the Area of a Triangle using trigonometry.	pp. 560-561 Example 3 Quick Check 3 Exercises 11,13, 15	Exercises 12,14, 17, 30, 34 Challenge 37 Test Prep 33-44	
Lesson 10-6: Circles and Arcs						
Day 37	Part 1: Central Angles and Arcs	How do we find the measures of central angles and arcs?	Finding measures of central angles and arcs.	pp. 566-568 Examples 1-3 Quick Check 1-3 Exercises 1, 5, 10, 15, 20, 42, 49	Exercises 4, 8, 13 34, 38, 45, 47 51 Mixed Review 76-83 Challenge 70	CM.1, CM.4, GR.3, GR.6
Day 38	Part 2: Circumference and Arc Length	How do we find circumference and arc length?	Finding circumference and arc length.	pp. 568-569 Examples 4-5 Quick Check 4-5 Exercises 27,30, 32, 54, 58	Exercises 33, 37, 39, 55, 59, 63, 66, 69 Challenge 71,72 Test Prep 73-75	

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Lesson 10-7: Areas of Circles and Sectors						
Day 39	Part 1: Finding Areas of Circles and Parts of Circles	How do we find areas of circles, sectors and segments of circles?	Finding Areas of Circles and Parts of Circles	pp. 44-45 Examples 1-3 Quick Check 1-3 Exercises 1, 4, 10, 20, 25, 29	Exercises 2, 5, 8, 15, 24, 26, 28, 30, 34 Challenge 35, 37 Mixed Review 44-48 Test Prep 41-43	CM.1, CM.4, GR.3, GR.6
Lesson 10-8: Geometric Probability Optional						

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Chapter 11: Surface Area and Volume						
Lesson 11-1: Space Figures and Cross Sections						
Day 40	Part 1: Identifying Parts of a Polyhedron	How can we identify polyhedra and their parts?	To identify polyhedra and their parts	pp. 598-599 Examples 1-3 Quick Check 1-3 Exercises 1,5, 8, 10,12, 27, 30	Exercises 3,9,13, 20, 29, 32, 34, 37 Challenge 45, 50 Mixed Review 60-67	CM.1, CM.4, GR.3, GR.6
Day 41	Part 2: Describing Cross Sections	How can we visualize cross sections of space figures?	To visualize cross sections of space figures	p. 599 Examples 4-5 Quick Check 4-5 Exercises 13, 15, 17, 19, 21	Exercises 23, 24, 26,40,42, 44, 45 Challenge 47, 54 Test Prep 55-59	
Text: Lesson 11-2: Surface Areas of Prisms and Cylinders				Brief Review: Chapter 9, Lesson 9.4		
Day 42	Part 1: Finding Surface Area of a Prism	How can we calculate the surface area of a prism?	Finding Surface Area of a Prism	pp. 608 – 610 Examples 1-2 Quick Check 1-2 Exercises 1,3, 5, 16,19, 24	Exercises 2, 4, 7, 17, 20, 21, 23, 26 Challenge 37 Mixed Review 42-46	G.G 10 G.G.14
Day 43	Part 2 Finding Surface Area of a Cylinder	How can we calculate the surface area of a cylinder?	Finding Surface Area of a Cylinder	pp. 610-611 Examples 3-4 Quick Check 3-4 Exercises 8, 10, 12, 18, 27, 31	Exercises 9, 11, 13,22, 25, 29,30, 32 Challenge 33,35 Test Prep 38-41	

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Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Text: Lesson 11-3: Surface Areas of Pyramids and Cones				Brief Review: Chapter 9, Lesson 9.3, 9.4		
Day 44	Part 1: Finding Surface Area of a Pyramid.	How do we calculate the surface area of a pyramid?	To find the surface area of a pyramid..	pp. 617 – 618 Examples 1-2 Quick Check 1-2 Exercises 1,3, 5, 14, 18, 27, 30	Exercises 2,4, 7, 16, 20, 28, 32, 33, 36 Challenge 41 Mixed Review 50-54	G.G.13 G.G.15
Day 45	Part 2: Finding Surface Area of a Cone	How do we calculate the surface area of a cone?	To find the surface area of a cone	pp. 619 – 620 Examples 3-4 Quick Check 3-4 Exercises 8, 10, 13, 23, 29	Exercises 9, 11, 12, 21, 24,25, 35, 37, 38 Challenge 40, 43 Test Prep 44-49	
Text: Lesson 11-4: Volumes of Pyramids and Cylinders				Brief Review: Chapter 9, Lesson 9.4		
Day 46	Part 1: Finding Volume of a Prism	How can we find the volume of a prism?	To find the volume of a prism.	pp. 624 – 626 Examples 1-2 Quick Check 1-2 Exercises 1, 3, 5, 14, 18, 22	Exercises 2,4, 6, 8, 16, 21, 24, 25, 29, 36 Challenge 39 Mixed Review 46-51	G.G. 11 G.G. 14
Day 47	Part 2: Finding Volume of a Cylinder	How can we find the volume of a cylinder?	To find the volume of a cylinder.	pp. 626 – 627 Examples 3-4 Quick Check 3- 4 Exercises 9, 10,15, 23, 26, 32	Exercises 11, 12, 13, 17, 27, 28, 30, 33, 35 Challenge 37, 40 Test Prep 41-45	

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Text: Lesson 11-5: Volumes of Pyramids and Cones				Brief Review: Chapter 9, Lesson 9.3, 9.4		
Day 48	Part 1: Finding Volume of a Pyramid	How do we find the volume of a pyramid?	To find the volume of a pyramid	pp. 631 – 632 Examples 1-2 Quick Check 1-2 Exercises 1, 2, 5, 7, 10, 16, 20	Exercises 3, 4, 6, 8, 17, 18, 21, 24 Challenge 35 Mixed Review 43-48	G.G.13 G.G.15
Day 49	Part 2: Finding Volume of a Cone	How do we find the volume of a cone?	To find the volume of a cone.	pp. 633-634 Examples 3 - 4 Quick Check 3– 4 Exercises 11, 13, 22, 25, 26, 29	Exercises 12, 14, 15, 23, 27, 28, 30, 31 Challenge 36 Test Prep 37-42	
Text: Lesson 11-6: Surface Areas and Volumes of Spheres				Brief Review: Chapter 9, Lesson 9.6		
Day 50	Part 1: Finding Surface Area and Volume of a Sphere	How do we calculate the surface area and volume of a sphere?	To find the surface area and volume of a sphere.	pp. 638 – 640 Examples 1-4 Quick Check 1-4 Exercises 1,5, 10, 15, 20, 25, 30	Exercises 3, 8, 13, 19, 24, 29, 34, 40, 44 Challenge 47, 49 Mixed Review 60 – 67 Test Prep 52 – 59	G.G. 16
Lesson 11-7: Areas and Volumes of Similar Solids Optional						

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Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Text: Chapter 12: Circles		Brief Review: Chapter 8, Lesson 8.2, 8.3				
Lesson 12-1: Tangent Lines:						
Day 51	Part 1: Using the Radius-Tangent Relationship	How do we use the Radius-Tangent relationship?	To use the Radius-Tangent relationship	pp. 662 – 664 Examples 1-3 Quick Check 1-3 Exercises 1,4, 8, 10, 13, 17, 24, 27	Exercises 2, 3, 7, 9, 14, 15, 25, 26, Challenge 33 Mixed Review 40 – 47	G.G.50
Day 52	Part 2: Using Multiple Tangents	How can we use Multiple Tangents?	To use Multiple Tangents	pp. 664 – 665 Examples 4-5 Quick Check 4-5 Exercises 5, 11, 12	Exercises,16, 20, 21, 22, 23 Challenge 34 Test Prep 35-39	
Text: Lesson 12-2: Chords and Arcs		Brief Review: Chapter 8, Lesson 8.2, 8.3				
Day 53	Part 1: Using Congruent Chords, Arcs, and Central Angles	How can we use Congruent Chords, Arcs, and Central Angles?	To use Congruent Chords, Arcs, and Central Angles	pp. 670 – 671 Examples 1-2 Quick Check 1-2 Exercises 1, 4, 7, 17, 24 30	Exercises 2,5,8, 23, 29,31,35 Challenge 38 Mixed Review 49-52	G.G.49
Day 54	Part 2: Lines through the Center of a Circle.	How can we use Lines through the Center of a Circle?	To use Lines through the Center of a Circle	pp. 672 – 673 Example 3 Quick Check 3 9, 12, 15,18, 22, 33	Exercises 10, 11, 14, 16, 20, 25,26,33,36,37 Challenge 40 Test Prep 42-48	

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Text: Lesson 12-3: Inscribed Angles				Brief Review: Chapter 8, Lesson 8.2, 8.3		
Day 55	Part 1: Finding the Measure of an Inscribed Angle.	How can we find the measure of an inscribed angle?	To find the measure of an inscribed angle.	pp.678 – 680 Examples 1-2 Quick Check 1-2 Exercises 1,4, 5, 6, 10, 12, 24, 26	Exercises 2, 3, 7, 9, 14,21,22, 25, 30, 32 Challenge 42,44 Mixed Review 51 – 58	G.G. 51
Day 56	Part 2: The Angle Formed by a Tangent and a Chord.	How do we measure the angle formed by a secant and a chord?	To find the measure the angle formed by a secant and a chord.	pp.680 – 681 Example 3 Quick Check 3 Exercises 15, 17, 19, 27, 28, 33	Exercises 16, 16, 20, 34, 36, 38, 40, 41 Challenge 45 Test Prep 45 - 50	
Text: Lesson 12-4: Angle Measures and Segment Lengths				Brief Review: Chapter 8, Lesson 8.3		
Day 58	Part 1: Finding Angle Measures	How can we find the measures of angles formed by secants, chords and tangents?	To find the measures of angles formed by secants, chords and tangents.	pp. 687 – 689 Examples 1-2 Quick Check 1-2 Exercises 1, 3, 5, 7, 17, 27, 30	Exercises 2,4, 6, 18, 19, 28, 29, 31 Challenge 34, 35 Mixed Review 43- 48	.G.G. 53
Day 59	Part 2: Finding Segment Lengths	How can we find the lengths of segments in a circle?	To find the lengths of segments in a circle.	pp. 689 – 690 Examples 3 -4 Quick Check 3-4 Exercises 9, 11, 13, 15, 20, 22	Exercises, 10, 12, 14, 21, 23, 25, 26 Challenge 36, 37 Test Prep 38-42	

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Pacing	Chapter/Lesson/Unit	Lesson Aim	Lesson Objectives	Suggested Class work	Suggested Homework	NYSED Content Strand
Text: Lesson 12-5: Circles in the Coordinate Plane				Brief Review: Chapter 6, Lesson 6.6		
Day 60	Part 1: Writing an Equation of a Circle	How can we write an equation of a circle?	To write an equation of a circle,	pp. 695 – 696 Examples 1-2 Quick Check 1-2 Exercises 1,5,8, 10,13,28,33, 41	Exercises 3,9,15, 27,30,34,36,39,4 2,44,46,48 Challenge 63 Mixed Review 70-81	G.G. 71 G.G. 73 G.G. 74
Day 61	Part 2: Finding the Center and Radius of a Circle.	How do we find the center and radius of a circle?	.To find the Center and Radius of a Circle.	pp. 596 – 697 Examples 3-4 Quick Check 3-4 Exercises 16,18,20, 22,24,47,50,55	Exercises 17, 19, 21,25,45,49, 53, 57,59, 61 Challenge 62,64 Test Prep	
Text: Lesson 12-6: Locus: A Set of Points				Brief Review: Chapter 1, Lesson 1.6, 1.7		
Day 62	Part 1: Drawing and Describing a Locus.	How do we draw and describe a locus?	Drawing and describing a locus.	pp. 701 – 702 Examples 1-3 Quick Check 1-3 Exercises 1,4,9,11, 18, 22, 30, 35, 40	Exercises 3,8,13,19,23,34,3 8,41,44 Challenge 45, 47 Mixed Review 54-61 Test 51 -53	G.G.22