

NAME: \_\_\_\_\_

1. 080810ia, P.I. A.A.36

Which equation represents a line parallel to the  $x$ -axis?

[A]  $y = 10$

[B]  $x = 5$

[C]  $x = \frac{1}{3}y$

[D]  $y = 5x + 17$

2. 080911ia, P.I. A.A.36

Which equation represents a line parallel to the  $x$ -axis?

[A]  $y = -5x$

[B]  $x = 3$

[C]  $y = -5$

[D]  $x = 3y$

3. 060814ia, P.I. A.A.38

Which equation represents a line parallel to the line  $y = -4x + 5$ ?

[A]  $y = 4x + 5$

[B]  $y = \frac{1}{4}x + 3$

[C]  $y = -4x + 3$

[D]  $y = -\frac{1}{4}x + 5$

4. 080009a, P.I. A.A.38

Which equation represents a line parallel to the line  $y = 2x - 5$ ?

[A]  $y = 5x - 2$

[B]  $y = -2x - 5$

[C]  $y = -\frac{1}{2}x - 5$

[D]  $y = 2x + 5$

5. 010522a, P.I. A.A.38

Which equation represents a line that is parallel to the line whose equation is  $2x + 3y = 12$ ?

[A]  $6y - 4x = 2$

[B]  $6y + 4x = 2$

[C]  $4x - 6y = 2$

[D]  $6x + 4y = -2$

6. 010926ia, P.I. A.A.38

Which equation represents a line that is parallel to the line  $y = 3 - 2x$ ?

[A]  $y = 4x - 2$

[B]  $y = 3 - 4x$

[C]  $2x + 4y = 1$

[D]  $4x + 2y = 5$

7. 060801a, P.I. A.N.5

Segment  $RS$  is parallel to segment  $TU$ . If the slope of  $\overline{RS} = \frac{5}{8}$  and the slope of  $\overline{TU} = \frac{x}{24}$ , the value of  $x$  is

[A] 10

[B] 20

[C] 5

[D] 15

8. 060105a

Which properties best describe the coordinate graph of two distinct parallel lines?

[A] same slopes and different intercepts

[B] different slopes and same intercepts

[C] same slopes and same intercepts

[D] different slopes and different intercepts

9. 010309a

Line  $P$  and line  $C$  lie on a coordinate plane and have equal slopes. Neither line crosses the second or third quadrant. Lines  $P$  and  $C$  must

[A] form an angle of  $45^\circ$

[B] be vertical

[C] be perpendicular

[D] be horizontal

10. 060210a

If two lines are parallel and the slope of one of the lines is  $m$ , what is the product of their slopes?

[A] 0

[B] 1

[C]  $2m$

[D]  $m^2$

- [1] A
- [2] C
- [3] C
- [4] D
- [5] B
- [6] D
- [7] D
- [8] A
- [9] B
- [10] D