1. Identify the quadrilateral which has one pair of parallel sides.

2. Identify the quadrilateral which has two pairs of parallel sides and all angles congruent.

3. What name is given to polygons whose sides all have the same length and whose angles all have the same measure?

4. Which special quadrilaterals have both rotational and line symmetry?

5. What is the name of the quadrilateral that has two pairs of parallel sides?

6. Which BEST describes the figure correctly?


7. Describe the figure using as many of these words as possible: rectangle, trapezoid, square, quadrilateral, parallelogram, rhombus
8. Select the geometric figure that possesses all of the following characteristics:
   (1) quadrilateral
   (2) diagonals equal
   (3) opposite sides are parallel
   [A] trapezoid       [B] parallelogram
   [C] rhombus        [D] rectangle

9. In quadrilateral $MNOP$, $\angle M \cong \angle N$. Quadrilateral $MNOP$ could be a
   I. trapezoid.     II. rhombus.     III. parallelogram.
   [A] I, II, or III  [B] II or III
   [C] I or II       [D] I only     [E] III only

10. Which pairs of quadrilaterals are congruent?
    I. two squares whose corresponding diagonals
       are congruent
    II. two rectangles whose corresponding
        diagonals are congruent
    III. two rhombuses whose corresponding
         diagonals are congruent
    [A] I only        [B] I and II
    [C] I, II, and III [D] II only
    [E] I and III

11. The measures of the angles of a quadrilateral are $x + 15$, $2x$, $x - 45$, and $2x - 60$. What type(s) of quadrilateral could this be?
    I. parallelogram     II. rectangle     III. trapezoid
    [A] III only  [B] I and II  [C] II only
    [D] I only     [E] I and III

12. Which of the following statements are true?
    If the sentence is false, rewrite it so it is true.
    a. Every rectangle is a quadrilateral.
    b. No parallelogram is a trapezoid.
    c. No rectangle is a square.
    d. No square is a rhombus.

13. Four pennies are placed 2 by 2 to form a square. How many more pennies must be added to form a square 3 by 3?
    [A] 7       [B] 3       [C] 5       [D] 1
[1] trapezoid
[2] rectangle
[3] regular polygons
[4] rhombus, square, rectangle
[5] parallelogram
[6] A
[7] rectangle, square, quadrilateral, parallelogram, rhombus
[8] D
[9] A
[10] E
[12] a and b are true, c: Some rectangles are squares; d: Every square is a rhombus.
[13] C