

## Lesson 4.4T ~ Quadrilaterals on the Coordinate Plane

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

Type of Quadrilateral	Picture	Properties
<b>Parallelogram</b>		Both pairs of opposite sides are _____.
<b>Rectangle</b>		All four angles measure _____.
<b>Rhombus</b>		All four sides are _____.
<b>Square</b>		All four sides are _____. All four angles measure _____.
<b>Trapezoid</b>		Only one pair of opposite sides are _____.

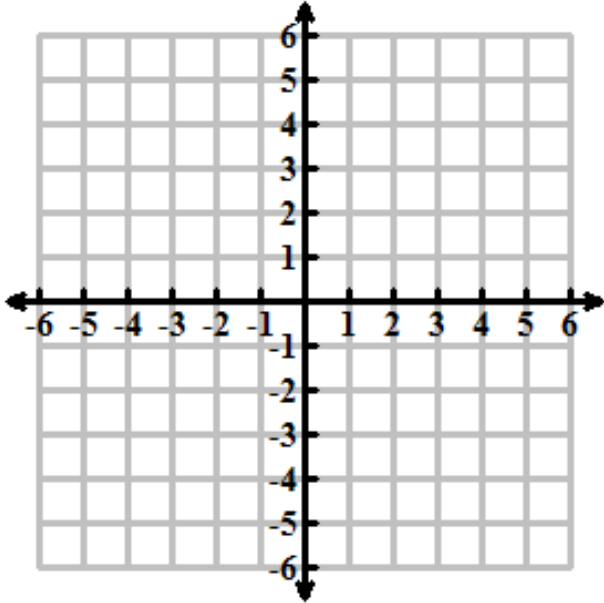
Determine if each statement is ALWAYS TRUE, SOMETIMES TRUE or NEVER TRUE.

1. A rhombus is a square.
2. A square is a rectangle.
3. A trapezoid is a parallelogram.
4. A rectangle is a quadrilateral.

Graph each set of points on a coordinate plane. Connect the points in the order given. Connect the last point to the first.

Name the shape with all terms that apply (parallelogram, rectangle, rhombus, square and/or trapezoid).

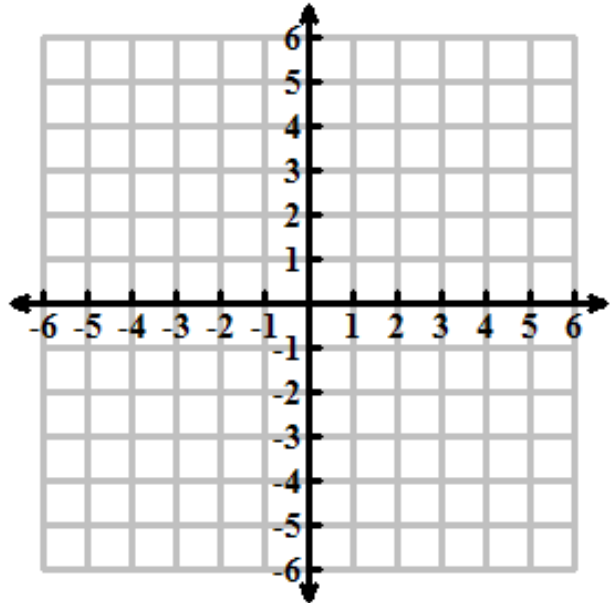
5.  $(2, 6), (2, 1), (4, 1), (4, 6)$



Name(s): \_\_\_\_\_

\_\_\_\_\_

6.  $(-3, 3), (-3, -3), (3, -3), (3, 3)$



Name(s): \_\_\_\_\_

\_\_\_\_\_

7. Find the area and perimeter of the figure in **Exercise 5**.

8. Find the area and perimeter of the figure in **Exercise 6**.

9. Three of the four vertices of a square are  $(1, 4), (4, 4)$  and  $(4, 1)$ . What are the coordinates of the missing vertex?

