Name _____ Date _____ Period _____

14.6 Intro to Quadrillaterals

Determine whether each of the statements is either *True* or *False*.

1. A square is a rectangle.
2. A rhombus is a rectangle.
3. A rectangle is a square

Complete each sentence with *always, sometimes,* or *never* to make the statement true.

4. A parallelogram _____ has congruent diagonals.

5. A parallelogram _____ has exactly 3 congruent sides.

6. If two consecutive angles of a quadrilateral are supplementary, then the quadrilateral is _____ a parallelogram.

7. A quadrilateral with diagonals that bisect each other is _____ a parallelogram.

8. A quadrilateral with two right angles opposite each other is _____ a square.

9. A quadrilateral with four congruent sides is _____ a rhombus.

Determine which word best completes the statement.

10. A rhombus is NOT a _____.

    A. polygon B. parallelogram C. trapezoid D. quadrilateral

11. A kite is a _____.

    A. polyhedron B. parallelogram C. trapezoid D. quadrilateral

Graph the following points on the graphs below. Identify the type of quadrilateral you have graphed.

13. $P(-2, 3)$
$Q(-2, -4)$
$R(2, -4)$
$S(2, 3)$

14. $P(7, -1)$
$Q(3, 6)$
$R(-1, -1)$
$S(3, -8)$

15. $P(-4, 0)$
$Q(3, 7)$
$R(6, 4)$
$S(-1, -3)$

16. $P(1, 1)$
$Q(-2, 4)$
$R(-5, 1)$
$S(-2, -2)$