

Name : \_\_\_\_\_

## Two-Step Equations: Shapes

Type 2: S1

Solve each problem.

- 1) ABCD is a kite. Two pairs of sides have equal lengths. Find the values of  $p$  and  $q$ .

$p =$  \_\_\_\_\_

- 2) PQRS is a rhombus with center O.  $\angle P$  measures  $15^\circ$ . Find the value of  $y$ .

$y =$  \_\_\_\_\_

- 3) UVWX is a rectangle.  $XW$  measures  $20$  m. Find the value of  $r$ .

$r =$  \_\_\_\_\_

- 4) KLMN is a right triangle.  $\angle K$  is a right angle. Find the value of  $a$ .

$a =$  \_\_\_\_\_

- 5) EFGH is a rectangle. A line drawn from the vertex E bisects the side  $\overline{HG}$  at L. If  $LG = 5$  mm, find the value of  $z$ .

$z =$  \_\_\_\_\_

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