

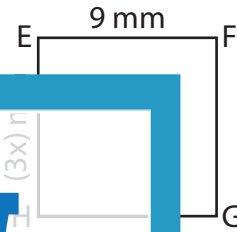
Name : \_\_\_\_\_

## One-Step Equations: Shapes

Type 2: S2

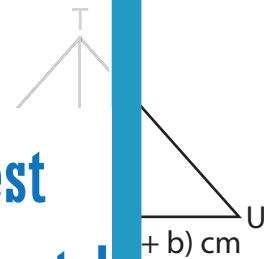
Solve each problem.

- 1) EFGH is a square. If  $EF = 9$  mm, find the value of  $x$ .



$x =$  \_\_\_\_\_

- 2) STU is a triangle.  $\overline{TU}$  is a median that bisects the side  $\overline{SU}$ . If  $ST = 12$  cm, find  $b$ .



$b =$  \_\_\_\_\_

- 3) ABCD is a rectangle.  $\overline{AC}$  and  $\overline{BD}$  are diagonals that intersect at O. Find the value of  $t$  and determine the length of  $\overline{OP}$ .

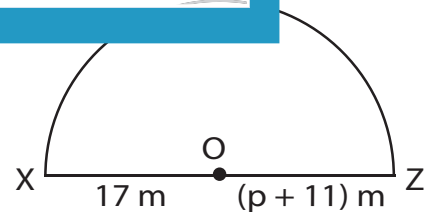
$t =$  \_\_\_\_\_

- 4) PQRS is a rectangle.  $\overline{PQ} = \left(\frac{3}{2}r\right)$  cm and  $\overline{PR} = 15$  cm. Find the value of  $r$ .

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

- 5) In the given semi-circle, XZ is the diameter and O is the center. If  $OX = 17$  m, find  $p$ .

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



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