

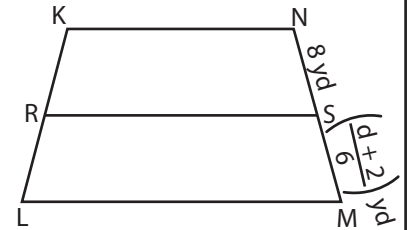
Name : _____

Two-Step Equations: Shapes

Type 2: S2

Solve each problem.

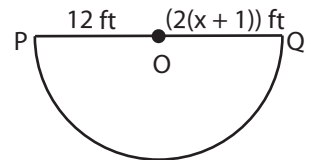
- 1) In the trapezoid KLMN, R and S are the midpoints of KL and NM respectively. If NS measures 8 yd, find the value of d.



d = _____

- 2) PQ is the diameter of a semicircle. O is the center. The radius is 12 ft, find the value of x.

The radius is 12 ft, find the value of x.

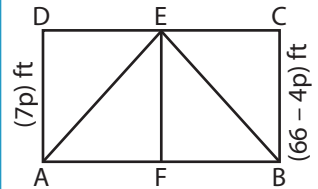


x = _____

- 3) A triangle EAB is inscribed in a rectangle ABCD. EF is the height of the triangle. Find the value of p.

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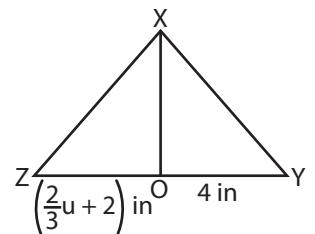
Find the value of EF of the triangle.



p = _____

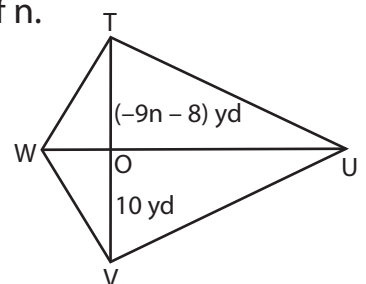
- 4) XYZ is a triangle. XO is the height. Find the value of u.

Find the value of u.



u = _____

- 5) TUVW is a kite. OU measures 10 yd. If $WO = OU$, find the value of n.



n = _____

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Name : _____

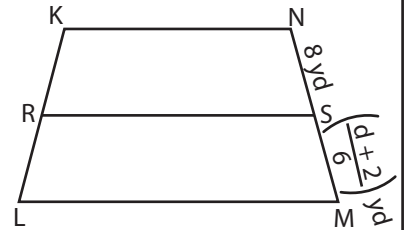
Answer Key

Two-Step Equations: Shapes

Type 2: S2

Solve each problem.

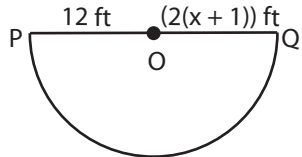
- 1) In the trapezoid KLMN, R and S are the midpoints of KL and NM respectively. If NS measures 8 yd, find the value of d.



$d = \underline{\quad 46 \quad}$

- 2) PQ is the diameter of a semicircle. O is the center. The radius is 12 ft, find the value of x.

The radius is 12 ft, find the value of x.

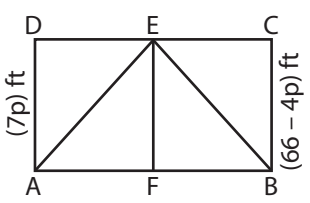


$x = \underline{\quad 5 \quad}$

- 3) A triangle EAB is inscribed in a rectangle ABCD. AF = 6 ft, find the value of p.

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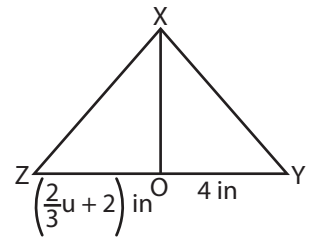
Find the value of EF of the triangle.



$p = \underline{\quad 6 \quad}$

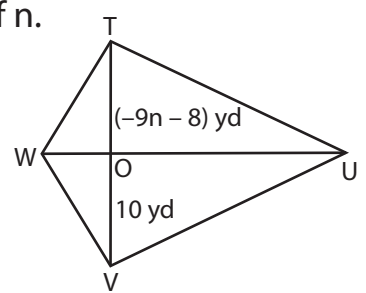
- 4) XYZ is a triangle. XO is the altitude. ZO = $\frac{2}{3}u + 2$ in, OY = 4 in, find the value of u.

Find the value of u.



$u = \underline{\quad 3 \quad}$

- 5) TUVW is a kite. OU measures 10 yd. If $WO = OU$, find the value of n.



$n = \underline{\quad -2 \quad}$

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