

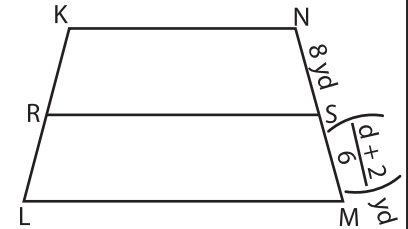
Name : _____

Two-Step Equations: Shapes

Type 2: S2

Solve each problem.

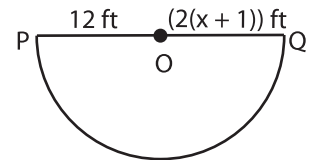
- 1) In the trapezoid KLMN, R and S are the midpoints of KL and NM respectively. If NS measures 8 yd, find the value of d.



$d =$ _____

- 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

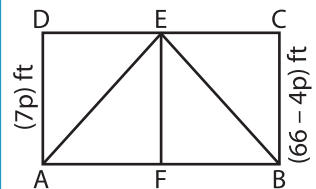


$x =$ _____

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

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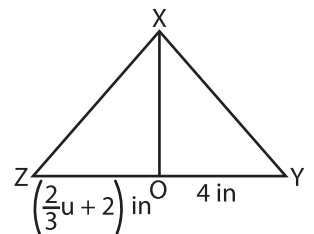
Find the length of EF of the triangle.



$p =$ _____

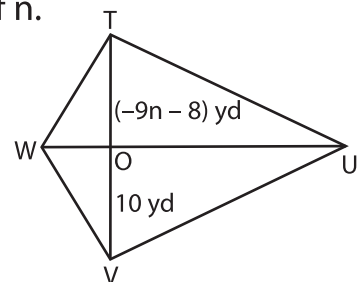
- 4) XYZ is a triangle. XO is the height. ZO is $(\frac{2}{3}u + 2)$ in and OY is 4 in.

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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