

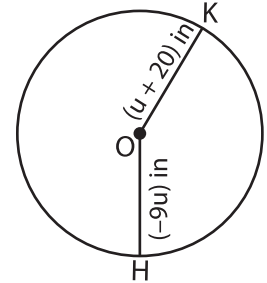
Name : _____

Two-Step Equations: Shapes

Type 2: S3

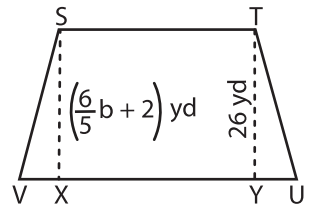
Solve each problem.

- 1) O is the centre of the circle shown in the figure. OK and OH are the radii of the circle. Find the value of u.



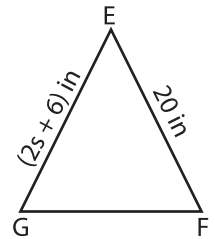
u = _____

- 2) STUV is an isosceles trapezoid. The measure of TY is 26 yd. The length of the top base is $(\frac{6}{5}b + 2)$ yd. The length of the bottom base is 18 yd. Find the value of b.



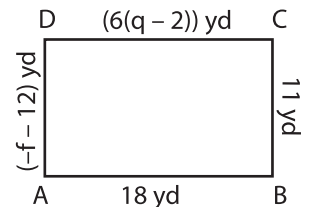
b = _____

- 3) EFG is an isosceles triangle. The length of the base is 20 in. The length of the equal sides is $(2s + 6)$ in. Find the value of s.



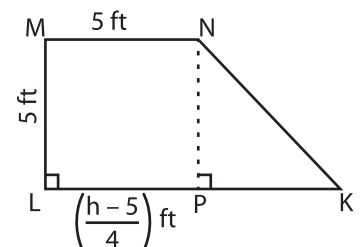
s = _____

- 4) ABCD is a rectangle. The length of the top side is $(6(q - 2))$ yd. The length of the left side is $(-f - 12)$ yd. The length of the bottom side is 18 yd. The length of the right side is 11 yd. Find the value of q and f.



q = _____ ; f = _____

- 5) KLMN is a right trapezoid. NP is a perpendicular drawn to the side KL. If MN measures 5 ft, find the value of h.



h = _____

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