

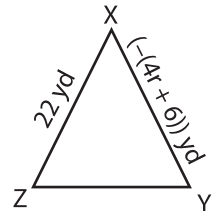
Name : _____

Two-Step Equations: Shapes

Type 2: S5

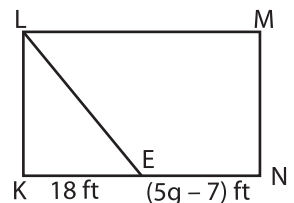
Solve each problem.

- 1) XYZ is an isosceles triangle with sides XZ and XY equal. If XZ measures 22 yd, find the value of r.



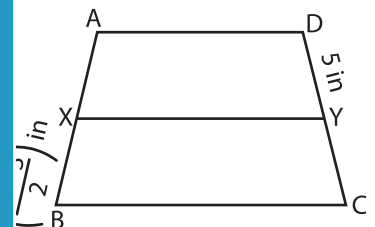
$r =$ _____

- 2) KLMN is a rectangle. Side KN is divided into two segments, KE and EN, by point E. If KE = 18 ft, find the value of g.



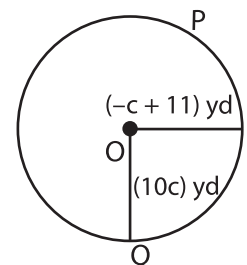
$g =$ _____

- 3) In the trapezoid ABCD, the height is 5 in. The top base AD is labeled 2x + 3 in. The bottom base BC is labeled 2x + 11 in. Find the value of x.



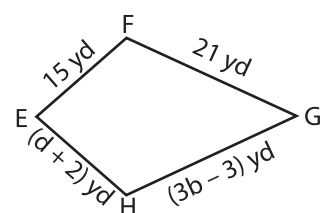
$x =$ _____

- 4) O is the center of the circle. The radius OQ is labeled (10c) yd. The radius OP is labeled (-c + 11) yd. Find the value of c.



$c =$ _____

- 5) EFGH is a kite. Two pairs of sides have equal lengths. Find the value of b and d.



$d =$ _____ ; $b =$ _____

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