

Name : _____

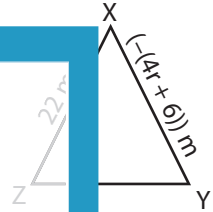
Two-Step Equations: Shapes

Type 2: S5

Solve each problem.

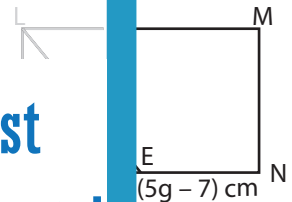
- 1) XYZ is an isosceles triangle with equal sides \overline{XZ} and \overline{XY} . If \overline{XZ} measures 22 m, find the value of r .

$r =$ _____



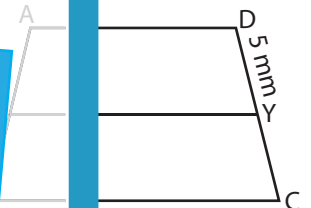
- 2) KLMN is a rectangle. A line drawn from the vertex K bisects the side \overline{KN} at E . If $KE = 18$ cm, find the value of g .

$g =$ _____



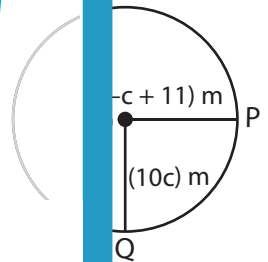
- 3) In the trapezoid ABCD, X and Y are the midpoints of \overline{AD} and \overline{BC} respectively. If \overline{DY} measures 5 mm, find the value of h .

$h =$ _____



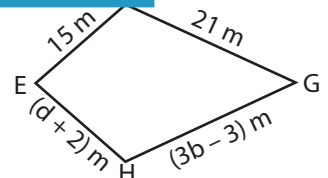
- 4) O is the center of the circle. The figure shows the radii of the circle. Find the value of c .

$c =$ _____



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

$d =$ _____ ; $b =$ _____



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