

Name : _____

Two-Step Equations: Shapes

Type 2: S2

Solve each problem.

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

d = _____

- 2) \overline{PQ} is the diameter of a semi-circle with O as its center. If the radius is 12 cm, find the value of x.

x = _____

- 3) A triangle $\triangle EAB$ is inscribed in the rectangle $ABCD$. Find the height of the triangle.

p = _____

- 4) XYZ is a triangle. The measure of $\angle X$ is $(2x + 3)^\circ$ and the measure of $\angle Y$ is $(x + 1)^\circ$. Find the measure of $\angle Z$.

u = _____

- 5) TUVW is a kite. OV measures 10 m. If $VO = OT$, find the value of n.

n = _____

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