Solve each problem.

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

\[ d = \phantom{0}\]

2) PQ is the diameter of the semicircle with O as its centre. If the radius is 12 cm, find the value of \( x \).

\[ x = \phantom{0}\]

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

\[ p = \phantom{0}\]

4) XYZ is a triangle. XO is a median. If OY measures 4 mm, find the value of \( u \).

\[ u = \phantom{0}\]

5) TUVW is a kite. OU measures 10 m. If WO = OU, find the value of \( n \).

\[ n = \phantom{0}\]
1) In the trapezoid KLMN, R and S are the midpoints of KL and NM respectively. If NS measures 8 m, find the value of d.

\[ d = 46 \]

2) PQ is the diameter of the semicircle with O as its centre. If the radius is 12 cm, find the value of x.

\[ x = 5 \]

3) A triangle EAB is inscribed in the rectangle ABCD. Find the height EF of the triangle. (All dimensions are in cm)

\[ p = 6 \]

4) XYZ is a triangle. XO is a median. If OY measures 4 mm, find the value of u.

\[ u = 3 \]

5) TUVW is a kite. OU measures 10 m. If WO = OU, find the value of n.

\[ n = -2 \]