Solve each problem.

1) EFGH is a square. If EF is 9 mm, find the value of x.

   \[ x = \dot{\quad}\quad\quad \]

2) STU is a triangle. TV is a median that bisects the side SU. If SV = 12 cm, find b.

   \[ b = \dot{\quad}\quad\quad \]

3) ABCD is a parallelogram where the diagonals bisect each other with O as the center. Given that OA = 20 m, OC = 10t and OD = 14 + t. Find the value of t and determine the length of OB.

   \[ t = \dot{\quad}\quad\quad \]

4) PQRS is a rectangle whose diagonals are equal in length. Given that SQ = 15 cm and PR = \( \frac{3}{2} \)r, find r.

   \[ r = \dot{\quad}\quad\quad \]

5) In the given semi-circle, XZ is the diameter and O is the center. If OX = 17 m, find p.

   \[ p = \dot{\quad}\quad\quad \]
Solve each problem.

1) EFGH is a square. If EF is 9 mm, find the value of x.

\[ x = 3 \]

2) STU is a triangle. TV is a median that bisects the side SU. If SV = 12 cm, find b.

\[ b = 14 \]

3) ABCD is a parallelogram where the diagonals bisect each other with O as the center. Given that OA = 20 m, OC = 10t and OD = 14 + t. Find the value of t and determine the length of OB.

\[ t = 2 \]

4) PQRS is a rectangle whose diagonals are equal in length. Given that SQ = 15 cm and PR = \( r \), find t.

\[ r = 10 \]

5) In the given semi-circle, XZ is the diameter and O is the center. If OX = 17 m, find p.

\[ p = 6 \]