

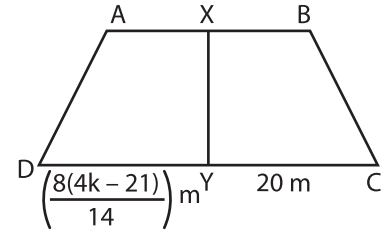
Name : \_\_\_\_\_

## Multi-Step Equations: Shapes

Type 3: S4

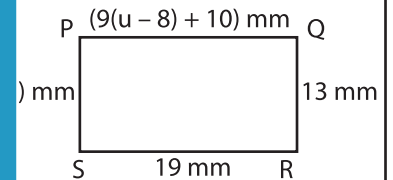
Solve each problem.

- 1) In the trapezoid ABCD, X and Y are the midpoints of AB and CD respectively. If  $YC = 20$  m, find the value of k.



$k =$  \_\_\_\_\_

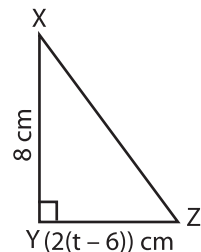
- 2) The length and breadth of a rectangle PQRS are 19 mm and 13 mm respectively. Find the value of u and



$u =$  \_\_\_\_\_

- 3) XYZ is a right angle triangle. Find the value of t.

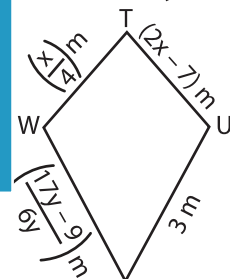
8 cm. Find the



$t =$  \_\_\_\_\_

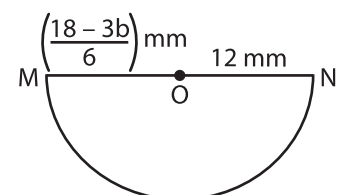
- 4) TUVW is a kite where

Find the value of x and y.



$x =$  \_\_\_\_\_ ;  $y =$  \_\_\_\_\_

- 5) O is the the centre of the semicircle shown in the figure. If the radius NO is 12 mm, find the value of b.



$b =$  \_\_\_\_\_

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