

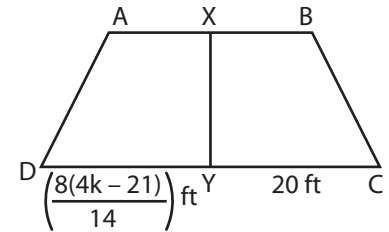
Name : _____

Multi-Step Equations: Shapes

Type 3: S4

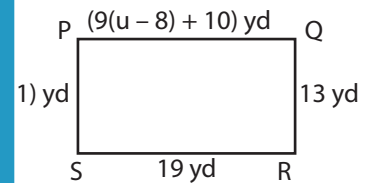
Solve each problem.

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



$k =$ _____

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



$u =$ _____

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

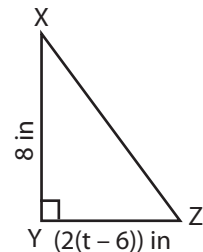
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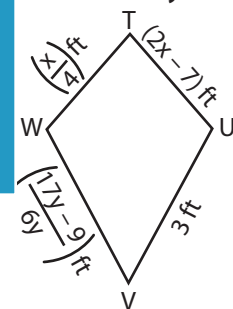
- 3 in. Find the



$t =$ _____

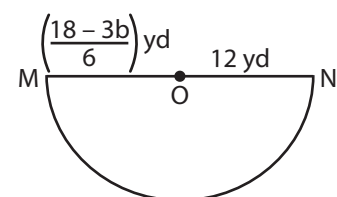
- 4) TUVW is a kite where

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 yd, find the value of b.



$b =$ _____

Name : _____

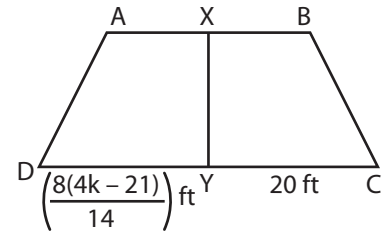
Answer Key

Multi-Step Equations: Shapes

Type 3: S4

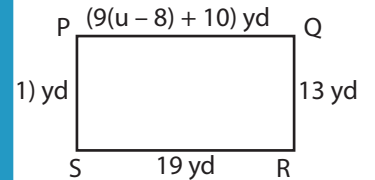
Solve each problem.

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



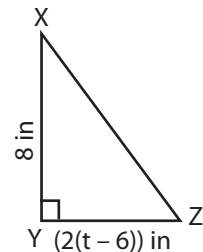
$k = \underline{\hspace{1cm} \mathbf{14} \hspace{1cm}}$

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



$u = \underline{\hspace{1cm} \mathbf{9} \hspace{1cm}}$

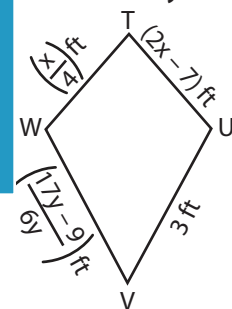
- 3) XYZ is a right angle triangle with a right angle at Y. Find the value of t.



$t = \underline{\hspace{1cm} \mathbf{12} \hspace{1cm}}$

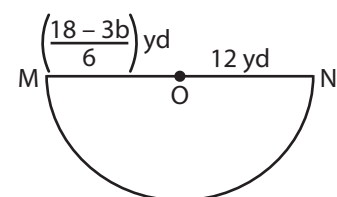
- 4) TUVW is a kite where

Find the value of x and y.



$x = \underline{\hspace{1cm} \mathbf{4} \hspace{1cm}} ; y = \underline{\hspace{1cm} \mathbf{-9} \hspace{1cm}}$

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



$b = \underline{\hspace{1cm} \mathbf{-18} \hspace{1cm}}$

PREVIEW

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