

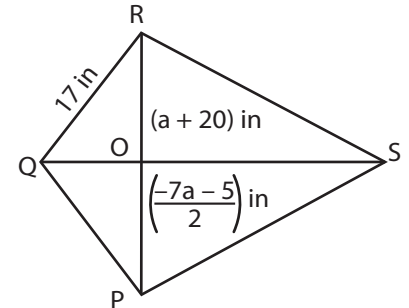
Name : \_\_\_\_\_

## Multi-Step Equations: Shapes

Type 3: S3

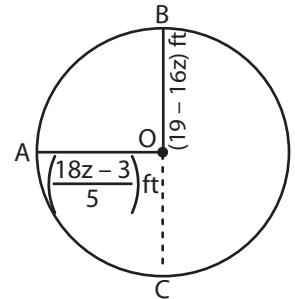
Solve each problem.

- 1) If QS bisects PR, find the value of a.



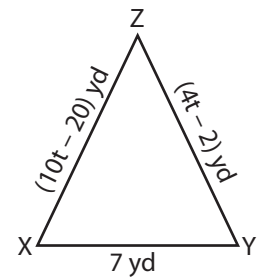
a = \_\_\_\_\_

- 2) O is the centre of the circle. Find the value of z and the diameter of the circle.



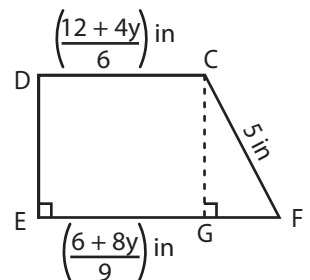
z = \_\_\_\_\_

- 3) XYZ is an isosceles triangle. Find the value of t.



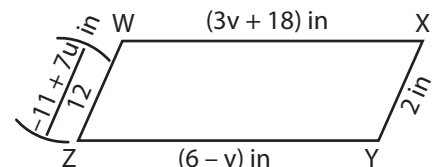
t = \_\_\_\_\_

- 4) In the right trapezoid DEFG, find the value of y.



y = \_\_\_\_\_

- 5) In the parallelogram WXYZ, the opposite sides are equal. Find the value of u and v.



u = \_\_\_\_\_ ; v = \_\_\_\_\_

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

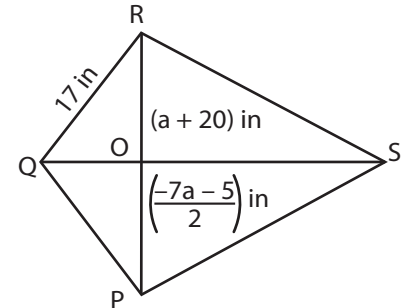
## Answer Key

### Multi-Step Equations: Shapes

Type 3: S3

Solve each problem.

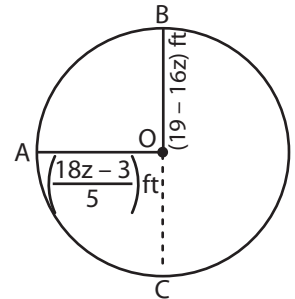
- 1) If QS bisects PR, find the value of a.



$a = \underline{\quad -5 \quad}$

- 2) O is the centre of the circle. Find the value of z and the diameter AC.

is, find the value of

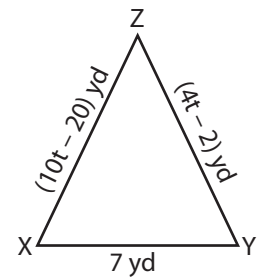


$z = \underline{\quad 1 \quad}$

- 3) XYZ is an isosceles triangle. Find the value of t.

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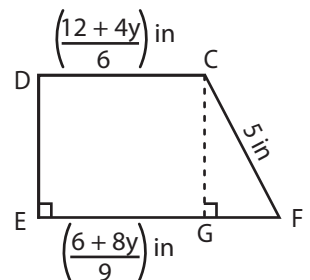
value of t.



$t = \underline{\quad 3 \quad}$

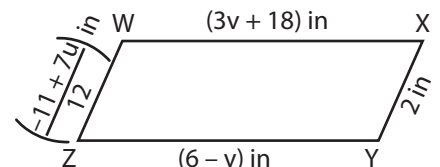
- 4) In the right trapezoid DEFG, find the value of y.

vertex C to the line FE.



$y = \underline{\quad 6 \quad}$

- 5) In the parallelogram WXYZ, the opposite sides are equal. Find the value of u and v.



$u = \underline{\quad 5 \quad}$  ;  $v = \underline{\quad -3 \quad}$

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