

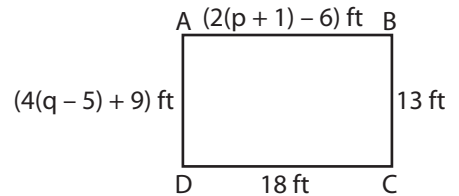
Name : _____

Multi-Step Equations: Shapes

Type 3: S1

Solve each problem.

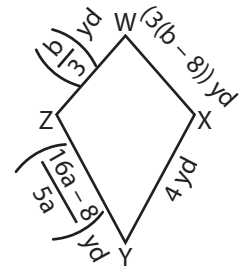
- 1) The length and breadth of a rectangle ABCD are 18 ft and 13 ft respectively. Find the value of p and q.



$p = \underline{\hspace{2cm}}$; $q = \underline{\hspace{2cm}}$

- 2) WXYZ is a kite where

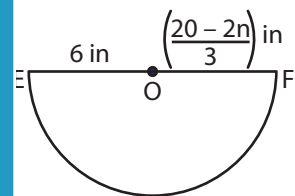
WZ = 4 yd, find the value of a and b.



$a = \underline{\hspace{2cm}}$

- 3) O is the centre of the circle. Find the value of n.

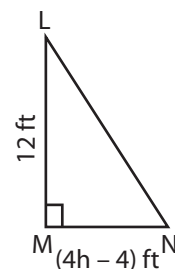
radius EO is 6 in, find



$n = \underline{\hspace{2cm}}$

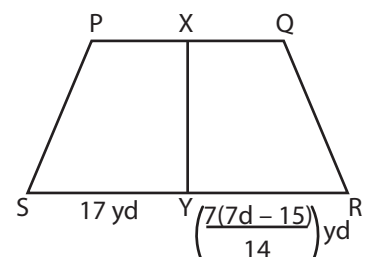
- 4) LMN is a right angled triangle. Find the value of h.

LN = 12 ft. Find the



$h = \underline{\hspace{2cm}}$

- 5) In the trapezoid PQRS, X and Y are the midpoints of PQ and RS respectively. If SY = 17 yd, find the value of d.



$d = \underline{\hspace{2cm}}$

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Name : _____

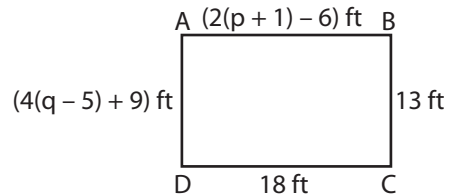
Answer Key

Multi-Step Equations: Shapes

Type 3: S1

Solve each problem.

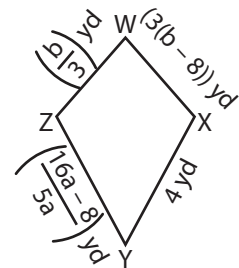
- 1) The length and breadth of a rectangle ABCD are 18 ft and 13 ft respectively. Find the value of p and q.



$p = \underline{\quad 11 \quad}$; $q = \underline{\quad 6 \quad}$

- 2) WXYZ is a kite where

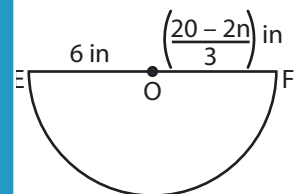
the length of the diagonals are 10 ft and 12 ft. Find the value of a and b.



$a = \underline{\quad -2 \quad}$

- 3) O is the centre of the circle. Find the value of n.

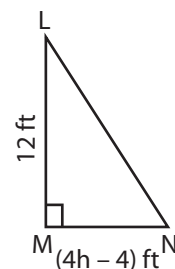
radius EO is 6 in, find the value of n.



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

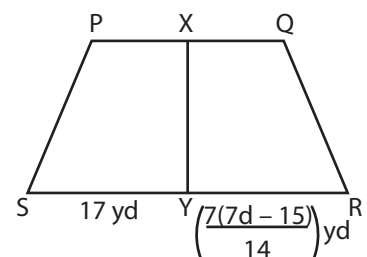
- 4) LMN is a right-angled triangle. Find the value of h.

LM = 12 ft. Find the value of h.



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

- 5) In the trapezoid PQRS, X and Y are the midpoints of PQ and RS respectively. Find the value of d.



$d = \underline{\quad 7 \quad}$

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