

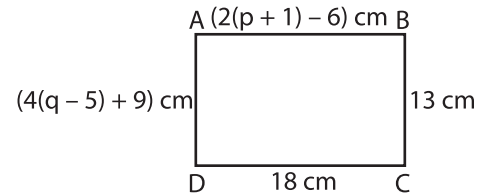
Name : \_\_\_\_\_

## Multi-Step Equations: Shapes

Type 3: S1

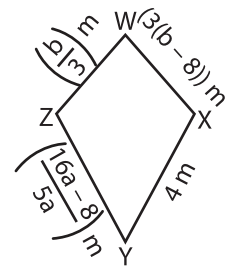
Solve each problem.

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



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

- 2) WXYZ is a kite where  $WX = 3(b - 8)$  m and  $YZ = 16a - 8$  m. Find the value of a and b.



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

- 3) O is the centre of a circle. The radius EO is 6 mm. Find the value of n.

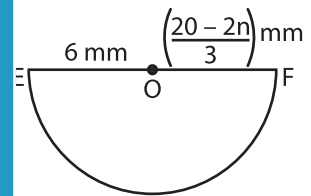
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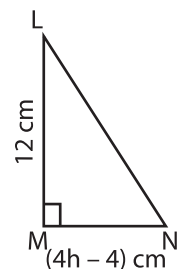
- radius EO is 6 mm, find



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

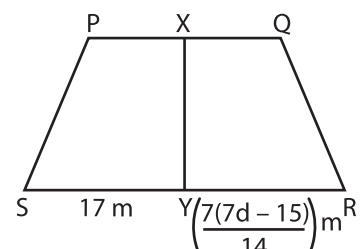
- 4) LMN is a right angled triangle. The hypotenuse LN is 12 cm. Find the value of h.

- $LN = 12$  cm. Find the



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

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



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