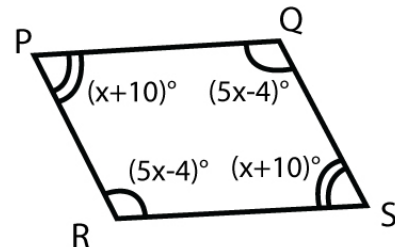


Name : _____

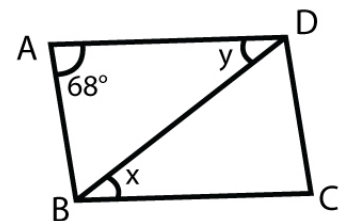
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Word Problems on Quadrilateral Worksheet

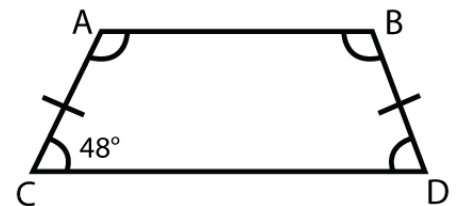
- 1 Given alongside is a parallelogram. Find the value of all its angles



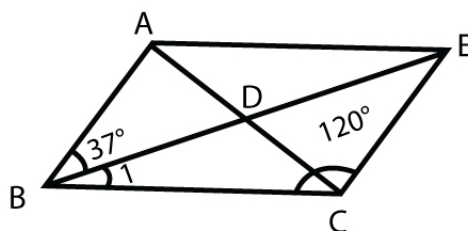
- 2 Given alongside is rhombus ABCD. Find the value of x and y



- 3 The following diagram is of an isosceles trapezoid PQRS, $m\angle c = 48^\circ$. Find the measure of all the remaining angles



- 4 The length of the diagonals of a rhombus are 16 and 18. Find the length of the sides of the rhombus
- 5 A rectangle PQRS has a diagonal of length $(6b-2)$ and the length of the other diagonal is $(4b+2)$. Find the lengths of the diagonals.
- 6 In a square one angle measures $(2x+44)$. What is the value of x ?
- 7 In the given parallelogram, find $\angle EBC$



Name : _____

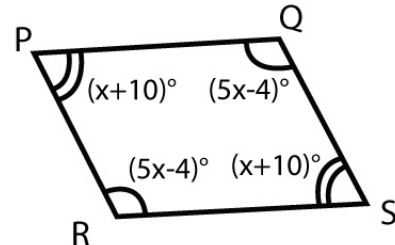
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Word Problems on Quadrilateral Worksheet

Answers

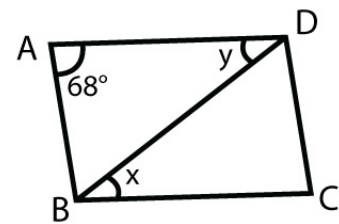
- 1 Given alongside is a parallelogram. Find the value of all its angles

$\angle QPR = 39^\circ, \angle QSR = 39^\circ, \angle PRS = 141^\circ, \angle PQS = 141^\circ$



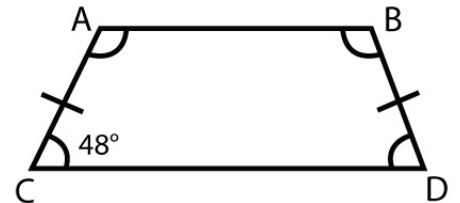
- 2 Given alongside is rhombus ABCD. Find the value of x and y

$x = 56^\circ, y = 56^\circ$



- 3 The following diagram is of an isosceles trapezoid PQRS, $m\angle c = 48^\circ$. Find the measure of all the remaining angles

$m\angle A = 132^\circ, m\angle B = 132^\circ, m\angle D = 48^\circ$



- 4 The length of the diagonals of a rhombus are 16 and 18. Find the length of the sides of the rhombus

12.04 square units

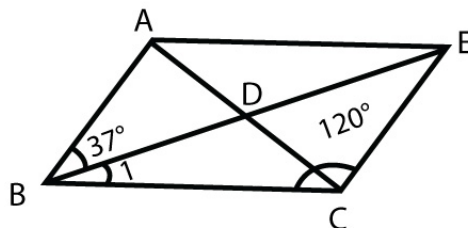
- 5 A rectangle PQRS has a diagonal of length $(6b-2)$ and the length of the other diagonal is $(4b+2)$. Find the lengths of the diagonals.

10 units each

- 6 In a square one angle measures $(2x+44)$. What is the value of x?

68°

- 7 In the given parallelogram, find $\angle EBC$



23°