



# Topic: Understanding Quadrilaterals

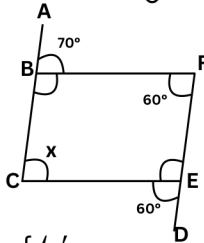
## Worksheet No. : 2



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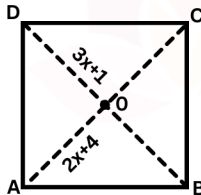
6. ABC and DEF are straight lines.



Find the value of 'x'.

- (A)  $60^\circ$       (B)  $80^\circ$       (C)  $70^\circ$       (D)  $85^\circ$

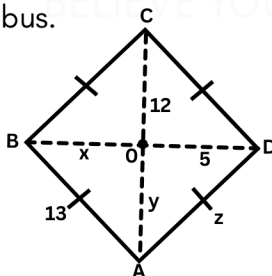
7. ABCD is a rectangle. Its diagonals meet at O.



Find x, if  $OA = 2x + 4$  and  $OD = 3x + 1$ .

- (A) 2      (B) 3      (C) - 3      (D) - 2

8. ABCD is a rhombus.



Find the respective values of x, y, and z.

- (A) 12, 5, 13      (B) 5, 12, 13      (C) 5, 13, 5      (D) 12, 13, 5



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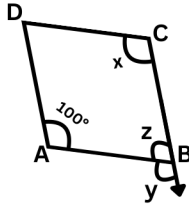
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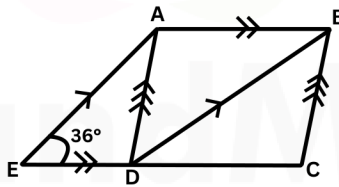
9. In the figure, ABCD is a parallelogram.



Find the respective values of  $x$ ,  $y$ , and  $z$ .

- (A)  $100^\circ, 80^\circ, 100^\circ$                       (B)  $100^\circ, 100^\circ, 80^\circ$   
(C)  $80^\circ, 100^\circ, 100^\circ$                       (D)  $80^\circ, 80^\circ, 100^\circ$

10. In the figure, ABCD is a rhombus and ABDE is a parallelogram.



Given that EDC is a straight line and  $\angle AED = 36^\circ$ , find  $\angle BAD$ .

- (A)  $36^\circ$                       (B)  $72^\circ$                       (C)  $108^\circ$                       (D)  $120^\circ$





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