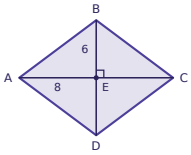
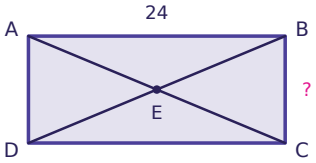
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 1

ABCD is a rhombus whose diagonals meet at E. AC = 16 and BD = 12. Find AB.



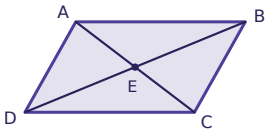
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 2

ABCD is a rectangle with AB = 24 and BD = 26. Find BC.



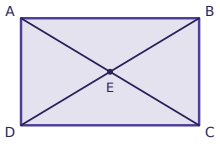
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 3

ABCD is a parallelogram whose diagonals meet at E. AE = 2x + 7 and EC = 3x. Find AC.



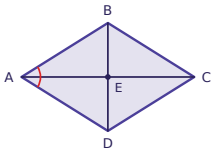
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 4

ABCD is a rectangle whose diagonals meet at E. AE = 4x and BD = 4x + 8. Find BD.



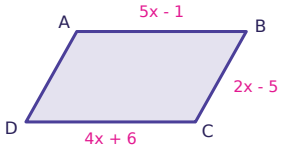
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 5

ABCD is a rhombus whose diagonals meet at E. m∠DAC = (5x - 13)° and m∠BAC = (x + 23)°. Find x.



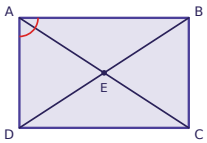
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 6

ABCD is a parallelogram. AB = 5x - 1, CD = 4x + 6 and BC = 2x - 5. Find the perimeter of ABCD.



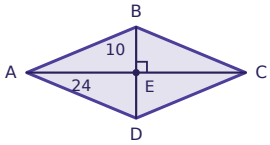
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 7

ABCD is a rectangle. m∠BAC = (7x - 23)° and m∠CAD = (3x + 33)°. Find x.



Properties of Parallelograms, Rectangles, Rhombuses & Kites · 8

ABCD is a rhombus whose diagonals meet at E. AC = 48 and BD = 20. Find AB.



Properties of Parallelograms, Rectangles, Rhombuses & Kites · 2

ANSWER

10

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 1

ANSWER

10

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 4

ANSWER

16

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 3

ANSWER

42

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 6

ANSWER

86

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 5

ANSWER

9

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 8

ANSWER

26

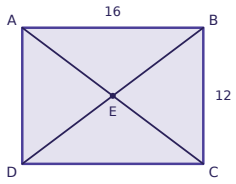
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 7

ANSWER

8

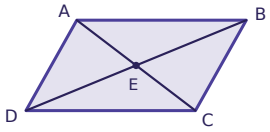
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 9

ABCD is a rectangle with AB = 16 and BC = 12. Find AC.



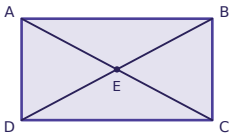
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 10

ABCD is a parallelogram whose diagonals meet at E. AE = 2x - 9 and EC = 3x - 21. Find AC.



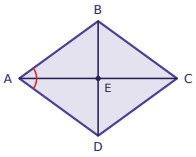
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 11

ABCD is a rectangle whose diagonals meet at E. AE = x + 9 and BD = x + 29. Find BD.



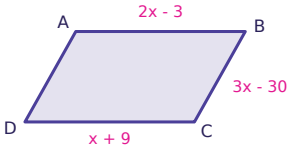
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 12

ABCD is a rhombus whose diagonals meet at E. m∠DAC = (x + 24)° and m∠BAC = (2x + 12)°. Find x.



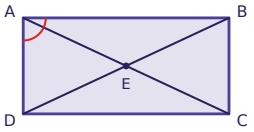
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 13

ABCD is a parallelogram. AB = 2x - 3, CD = x + 9 and BC = 3x - 30. Find the perimeter of ABCD.



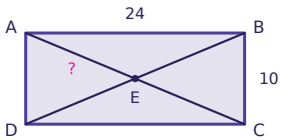
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 14

ABCD is a rectangle. m∠BAC = (7x - 17)° and m∠CAD = (6x + 29)°. Find x.



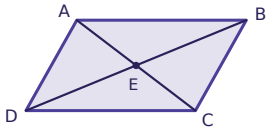
Properties of Parallelograms, Rectangles, Rhombuses & Kites · 15

ABCD is a rectangle whose diagonals meet at E. AB = 24 and BC = 10. Find AE.



Properties of Parallelograms, Rectangles, Rhombuses & Kites · 16

ABCD is a parallelogram whose diagonals meet at E. AE = 4x + 13 and EC = x + 25. Find AC.



Properties of Parallelograms, Rectangles, Rhombuses & Kites · 10

ANSWER

30

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 9

ANSWER

20

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 12

ANSWER

12

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 11

ANSWER

40

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 14

ANSWER

6

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 13

ANSWER

54

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 16

ANSWER

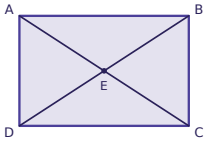
58

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 15

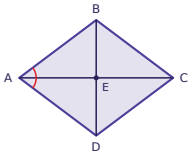
ANSWER

13

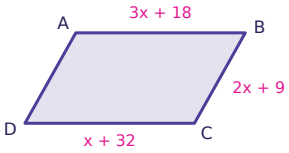
ABCD is a rectangle whose diagonals meet at E. AE = 3x - 8 and BD = 4x + 8. Find BD.



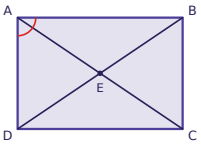
ABCD is a rhombus whose diagonals meet at E. m∠DAC = (x + 28)° and m∠BAC = (2x + 19)°. Find x.



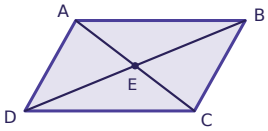
ABCD is a parallelogram. AB = 3x + 18, CD = x + 32 and BC = 2x + 9. Find the perimeter of ABCD.



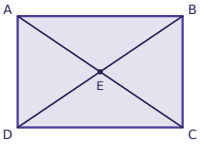
ABCD is a rectangle. m∠BAC = (2x + 12)° and m∠CAD = (x + 45)°. Find x.



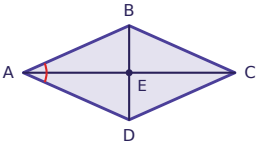
ABCD is a parallelogram whose diagonals meet at E. AE = 5x - 8 and EC = 2x + 1. Find AC.



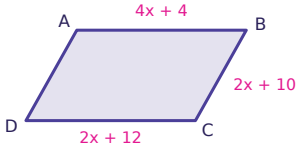
ABCD is a rectangle whose diagonals meet at E. AE = 2x - 14 and BD = 3x - 16. Find BD.



ABCD is a rhombus whose diagonals meet at E. m∠DAC = (x + 15)° and m∠BAC = (3x - 3)°. Find x.



ABCD is a parallelogram. AB = 4x + 4, CD = 2x + 12 and BC = 2x + 10. Find the perimeter of ABCD.



Properties of Parallelograms, Rectangles, Rhombuses & Kites · 18

ANSWER

9

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 17

ANSWER

56

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 20

ANSWER

11

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 19

ANSWER

124

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 22

ANSWER

20

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 21

ANSWER

14

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 24

ANSWER

76

Properties of Parallelograms, Rectangles, Rhombuses & Kites · 23

ANSWER

9