

Unit 05 - Section 04

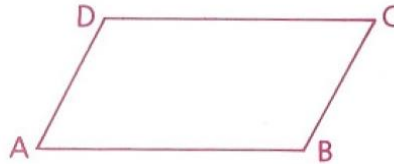
- 1 Given: \square WSTV,
 $WS = x + 5$,
 $WV = x + 9$,
 $VT = 2x + 1$

Find the perimeter of WSTV.

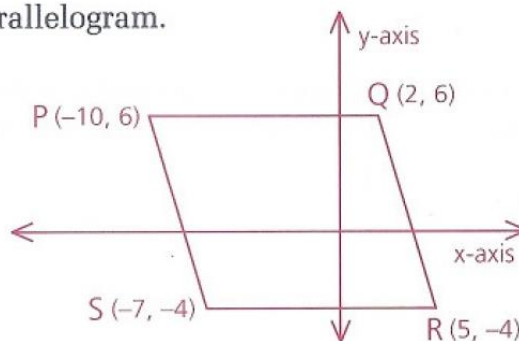


- 2 Given: \square ABCD,
 $\angle A = (x)^\circ$,
 $\angle D = (3x - 4)^\circ$

Find: $m\angle D$ and $m\angle C$



- 5 Show that PQRS is a parallelogram.



- 8 In \square ABCD, the ratio of AB to BC is 5:3. If the perimeter of ABCD is 32, find AB.

- 10 The measure of one angle of a parallelogram is 40 more than 3 times another. Find the measure of each angle.

- 12** Given: Quadrilateral PQRS,
P = (-10, 7), Q = (4, 3),
R = (-2, -5), S = (-16, 1)

- a** Prove that quadrilateral PQRS is not a parallelogram.
b Prove that the quadrilateral formed by joining consecutive midpoints of the sides of PQRS is a parallelogram.

- 19** Given: \square KMOP,
 $\angle M = (x + 3y)^\circ$,
 $\angle O = (x - 4)^\circ$,
 $\angle P = (4y - 8)^\circ$

Find: $m\angle K$

