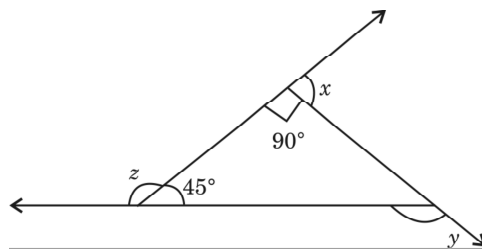


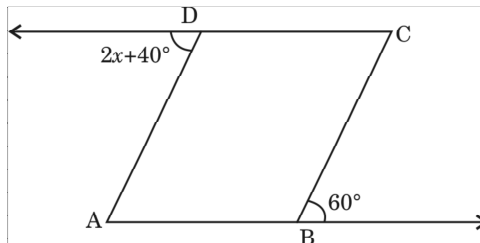
Chapter—3

Understanding Quadrilaterals

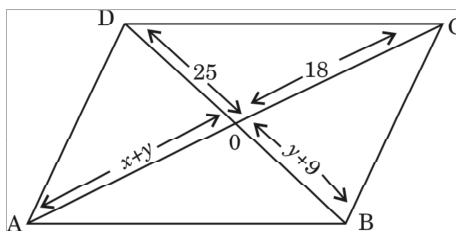
1. What is the sum of the interior angles of a polygon having 9 sides?
2. In the adjoining figure find $x + y + z$.



3. What is the measure of each exterior angle of a regular polygon having 10 sides?
4. ABCD is a parallelogram. What is the value of x ?

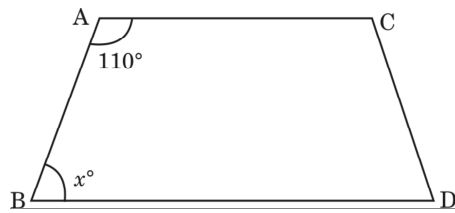


5. The ratio of two adjacent sides of a parallelogram is 3 : 1 and its perimeter is 72 cm. What is the length of the adjacent sides?
6. ABCD is a parallelogram. What is the value of x and y in the figure given below :

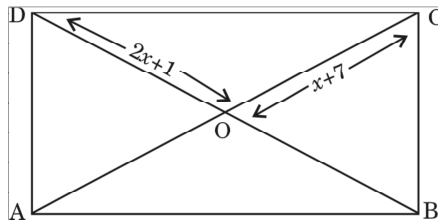


7. Give reasons whether quadrilateral ABCD is a parallelogram or not.
 - (i) $AB = BC = 6$ cm $AD = 3$ cm, $BC = 5.2$
 - (ii) $\angle A = 80^\circ$, $\angle C = 55^\circ$

8. ABCD is a trapezium. What is the value of x ?



9. ABCD is a rectangle. What is the length of the diagonal AC?



10. ABCD is a square of side 6 cm. What is the length of its diagonal?