

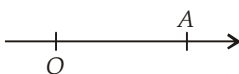
Chapter 9 : Basic Geometrical Ideas

ASSESSMENT
Max.Marks : 20

A : Choose the correct alternatives in each of the following :

(1 × 5 = 5)

1. A figure in which the initial and the end points coincide with each other is a figure.
 (a) open (b) closed (c) congruent (d) none of these

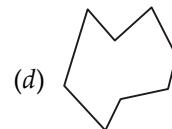
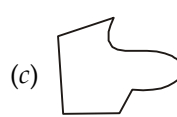
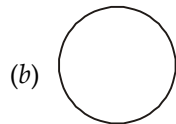
2. The figure  represents

- (a) \overrightarrow{OA} (b) \overrightarrow{AO} (c) \overline{A} (d) \overline{O}

3. Parallel lines

- (a) intersect at two points (b) intersect at only one point (c) do not intersect (d) none of these

4. Which of the following figures is a polygon?



5. Two sides of a polygon having a common end point are called

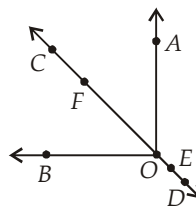
- (a) adjacent sides (b) opposite sides (c) diagonals (d) none of these

B : Solve the following :

1. From the adjoining figure, write the name of

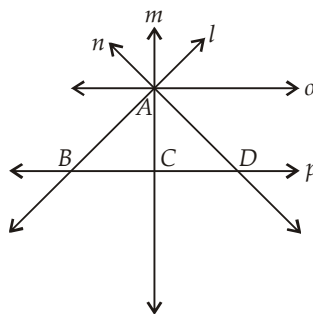
(3 × 5 = 15)

- (i) 6 points
 (ii) a line
 (iii) 4 rays
 (iv) 4 line segments.



2. Four points P, Q, R and S are on a line taken in order such that the distance QR is thrice the distance PQ and the distance RS is twice the distance PQ. If P is on 3 cm mark of the ruler and S is on 15 cm mark, then find the measure of AC.

3. In the given figure, name the collinear points, concurrent lines, parallel lines.



4. Draw a closed curve and represent the following points:

- (i) Points A, B in the interior of the curve.
 (ii) Points C, D, E on the curve.
 (iii) Points F, G, H in the exterior of the curve.

5. A twinkling star in the sky gives an idea of a point. Identify at least three such situations in your daily life.