

Ch. Coordinate Geometry

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1. The distance of point P(- 3, - 4) from x axis is
(A) 5 (B) 4 (C) 3 (D) None of these
2. The coordinates of centroid of triangle vertices A(3, 4), B(6, 7) and C(9, 13) are
(A) (6, 8) (B) (8, 6) (C) (8, 8) (D) (6, 6)
3. The value of r for which A(-5, 1), B(1, r) and C(4, -2) are collinear is
(A) - 2 (B) 2 (C) 1 (D) - a = b
4. The points A(1, 2) and B(r, s) are collinear with origin then
(A) a = b (B) a = 2b (C) 2a = b (D) - 303
5. The area of triangle formed by points A(2a, 0), O(0, 0) and C(0, 2b) is
(A) 2ab (B) ab (C) a² (D) b²
6. The distance of point A(3, 4) from origin is
(A) 3 (B) 4 (C) 5 (D) None of these
7. POQR is a rectangle whose three vertices are P(0, 12), O(0, 0) and Q(5, 0)
(A) 13 (B) 12 (C) 5 (D) 17
8. The perimeter with vertices (0, 0), (9, 0) and (0, 40) is
(A)90 (B)49 (C)41 (D)none of these
9. If points (1, 1), (r, 0) and (0,s) are collinear then $\frac{1}{r} + \frac{1}{s} =$
(A) - 1 (B) 0 (C) 1 (D) 2
10. Three vertices of a parallelogram in order are (-1, 2), (2, -1), (3, 1). The fourth vertex is
(A) (0, 4) (B) (4, 0) (C) (2, 2) (D) none of these

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