MATHS

BOOKS - RD SHARMA MATHS (ENGLISH)

COORDINATE GEOMETRY

Others

1. Write down the co-ordinates of the following points A,B,C,D and E marked on the

graph paper.

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2. Plot the following points on the graph paper : $P(3, 0)$ (ii) $Q(-4, 0)$ $R(0, 5)$ (iv) $S(0, -7)$ (fig)

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3. Plot the following points on a graph paper :

$(3, 4)$ (ii) $-2, 3)$ $(-5, -2)$ (iv) $(4, -3)$

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4. In which quadrant do the following points lie? (i)$(4, 2)$ (ii) $(-3, 5)$ (iii)$(-2, -5)$ (iv) $(4, -2)$

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6. Plot the following points on the graph paper : $P(3, 0)$ (ii) $Q(-4, 0)$ $R(0, 5)$ (iv) $S(0, -7)$ (fig)

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7. Write down the co-ordinates of the following points A , B , C and D marked on the graph paper.

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8. Plot the following points on the graph paper: (i) $(2,\ 5)$ (ii) $(4,\ -3)$ (iii) $(-5,\ -7)$ (iv) $(7,\ -4)$ (v) $(-3,\ 2)$ (vi) $(7,\ 0)$ (vii) $(-4,\ 0)$ (viii) $0,\ 7)$ (ix) $0,\ -4)$ (x) $(0,\ 0)$

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9. Write the coordinates of each of the following points marked in the graph paper:

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10. The point of intersect of the coordinates axes is :

(a) ordinate (b) abscissa (c) quadrant (d) origin

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11. The abscissa and ordinate of the origin are

(a) (0, 0) (b) (1, 0) (c) (0, 1) (d) (1, 1)

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12. The measure of the angle between the coordinate axes is (a) 0° (b) 90° (c) 180° (d) 360°

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13. A point whose abscissa and ordinate are 2 and -5 respectively, lies in

(a) First quadrant (b) Second quadrant (c) Third quadrant (d) Fourth quadrant

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14. Points $(-4,\ 0) and\ (7,\ 0)$ lie

(a) on x-axis (b) on y-axis (c) in first quadrant

(d) In second quadrant

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15. The ordinate of any point on x-axis is

(a) 0 (b) 1 (c) -1 (d) any number

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16. The abscissa of any point on y-axis is

(a) 0 (b) 1 (c) -1 (d) any number

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17. The abscissa of a point is positive in the

(a) First and Second quadrant (b) Second and Third quadrant (c) Third and Fourth quadrant (d) Fourth and First quadrant

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18. A point whose abscissa is -3 and ordinate 2 lies in

A. I Quadrant

B. II quadrant

C. III quadrant

D. IV quadrant

Answer: B

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19. Two points having same abscissa but different ordinates lie on

(a) x-a xi s (b) y-a xi s (c) a line parallel to y-a xi s (d) a line parallel to x-a xi s

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20. The perpendicular distance of the point $P(4,\ 3)$ from x-a xi s is

(a) 4 (b) 3 (c) 5 (d) none of these

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21. The perpendicular distance of the point $P(4,\ 3)$ from y-a xi s is

(a) 4 (b) 3 (c) 5 (d) none of these

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22. The distance of the point $P(4,\ 3)$ from the origin is (a) 4 (b) 3 (c) 5 (d) 7

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23. The area of the triangle formed by the points $P(0, 1), Q(0, 5)$ and $R(3, 4)$ is

(a) 16 sq. units (b) 8 sq. units (c) 4 sq. units (d) 6 sq. units

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