

Coordinate Geometry

Sr	Questions	Answers Choice
1	Distance between two point P (1,2) AND (4,6) is	A. 5 B. 6 C. 3 D. 4
2	The line of which equation has slope 2 and passes through the origin.	A. $y = x+2$ B. $y = 2x+ 2$ C. $y = 2x -2$ D. $y = 2x$
3	The line of which equation bisect the 2nd and 4th quadrant.	A. $x - y =0$ B. $x+y= 0$ C. $y= -4 x$ D. $y =-6 x$
4	Which of the following is not on the y- axis	A. (oo) B. (o,e) C. (0,f) D. (g,0)
5	If y-coordinates of two points are same then line passing through them is perpendicular to.	A. x-axis B. y-axis C. origin D. any line
6	If m_1 and m_2 are slopes of two perpendicular lines then	A. $m_1 \times m_2 =0$ B. $m_1 +m_2 = 0$ C. $m_1 -m_2 =0$ D. $m_1 \times m_2 =-1$
7	If x-coordinates of two points are same then line passing through them is perpendicular to	A. x-axis B. y-axis C. Origin D. any line
8	The equation of a straight line in the point slope form is written as	A. $y =m (x+c)$ B. $y -y_1 = m (x -x_1)$ C. $y =c +mx$ D. $ax +by+c=0$
9	The line which equation bisect the 1st and 3rd quadrant.	A. $x -y = 0$ B. $x+y =0$ C. $y=2x$ D. $y = 5x$
10	For what value of k, a line passing through the points (-3,-7) and (4,k) has gradient 3/7?	A. 4 B. -4 C. -3 D. -7
11	A line passing through points (1,2) and (4,5) has which equation in the slope intercept form?	A. $y=x +1$ B. $y = 2x +3$ C. $y =3x -2$ D. $y = x+2$
12	The points (x,y) with $x>0$, $y<0$ lie in quadrant	A. I B. II C. III D. IV
13	The slope of the line is.	A. $x = x_2-x_1 / y_2 - y_1$ B. $m = y_2 - y_1 / x_2 - x_1$ C. $m = x_1-x_2 / y_1 -y_2$ D. $m= y_1+y_2/x+x_2$
14	If y-coordinates of two points are same then line passing through them is parallel to.	A. x-axis B. y-axis C. Origin D. any line
15	All points (x,y) with $x<0$, $y<0$ lie in quadrant.	A. I B. II C. III D. IV

16	The gradient of two parallel line is	A. Equal B. Zero C. Negative receiprocals of eath other D. Always underfined
17	If the product of the gradients of two lines is (-1) then the lines are	A. Parallel B. Perpendicular C. Collinear D. Coincident
18	The slope line $x/3 + y/2 = 1$ is	A. $2/3$ B. $-2/3$ C. $-3/2$ D. $3/2$
19	If x -coordinates of two points are same then line passing through them is parallel to	A. x-axis B. y -axis C. origin D. arry line
20	All points (x,y) with $x < 0, y < 0$ lie in quadrant	A. I B. II C. III D. IV