

FA Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	The coordinate axes divide the plane into----- equal parts:	A. 1 B. 2 C. 3 D. 4
2	The point (2, 5) lies the lie $3x - y + 1 = 0$	A. Above B. Below C. On D. None
3	In the translation of axes which formula is true:	A. $x = X + h$ B. $X = x + h$ C. $x + X = h$ D. None
4	Angle between the lines $x + y + 1 = 0$ & $x - y + 4 = 0$ is:	A. 30° B. 45° C. 60° D. 90°
5	The horizontal line $x' ox$ is called:	A. x-axis B. y-axis C. abscissa D. ordinate
6	If (1, x) is the mid point of the line segment joining the points (1, 2) & (1, 6) then x =	A. 1 B. 2 C. 3 D. 4
7	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$
8	If the directed distances AP and PB have the opposite signs, i.e; p is beyond AB, then their ratio is negative and P is said to divide AB:	A. Internally B. May divide C. Externally D. None of these
9	If (x, y) are the coordinates of a point, then the first component of the ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate axes D. None of these
10	$x = 4$ is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis D. None of these
11	The symbol is used for:	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
12	If the inclination of a line lies between $]90^\circ, 180^\circ[$, then the slope of line is :	A. Positive B. Negative C. Zero D. undefined
13	If a pair of opposite sides of a quadrilateral are equal and parallel then it is:	A. Rectangle B. Rhombus C. Parallelogram D. None of these
14	For any point (x, y) on x-axis:	A. $y = 1$ B. $y = 0$ C. $y = -1$ D. $y = 2$
15	If a straight line is perpendicular to y-axis, then its slope is:	A. 1 B. -1 C. 0 D. undefined

16	Question Image	D. 2
17	y - ordinate of the centroid of triangle with vertices A(-2, 3) B(-4, 1), C(3, 2) is:	A. 3 B. 1 C. 2 D. 0
18	The centroid of a triangle is a point that divides each median in the ratio:	A. 2 : 1 B. 2 : 3 C. 1 : 3 D. 4 : 3
19	$ax + by + c = 0$, will represent equation of straight line parallel y-axis if:	A. $a = 0$ B. $b = 0$ C. $c = 0$ D. $a = 0, c = 0$
20	Infinite number of lines can pass through:	A. One point B. Two points C. Three points D. Four points