

## FA Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	If $a = 0$ , then the line $ax + by + c = 0$ is parallel to:	A. y - axis B. x - axis C. along y - axis D. None of these
2	<a href="#">Question Image</a>	D. 2
3	The point (2, 5) lies the lie $3x - y + 1 = 0$	A. Above B. Below C. On D. None
4	<a href="#">Question Image</a>	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
5	$x = c$ is a line:	A. Perpendicular to x-axis B. Parallel to x-axis C. Perpendicular to y-axis D. None of these
6	The equation to the straight line which passes through the point (2, 9) and makes an angle of $45^\circ$ with x-axis is:	A. $x + y + 7 = 0$ B. $x - y + 7 = 0$ C. $y - x + 7 = 0$ D. None of these
7	If the directed distances AP and PB have same signs, then their ratio is positive and P is said to divide AB:	A. Internally B. May be divide C. Externally D. None of these
8	<a href="#">Question Image</a>	A. Line parallel to x - axis B. Line parallel to y - axis C. Inclined D. Both (a) and (b)
9	The line $y = a$ is below the x-axis, if:	A. $a > 0$ B. $a < 0$ C. $a = 0$
10	If the inclination of the line l lies between $]0^\circ, 90^\circ[$ , then the slope of l is:	A. Positive B. Negative C. Undefined D. None of these
11	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
12	The centroid of the triangle whose vertices are (3, -5), (-7, 4) and (10, -2) is:	A. (-2, -2) B. (-2, 2) C. (2, -1) D. (0, 0 )
13	y-coordinate of any point on X-axis:	A. 0 B. x C. y D. 1
14	If (x, y) are the coordinate of a point ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate D. Ordered pair
15	The ratio in which the line segments joining (2, 3) and (4, 1) is divided by the line joining (1, 3) and (4, 3) is:	A. 2 : 1 B. 3 : 1 C. 1 : 2 D. 1 : 1
16	If in the case of translation of axes, O (-3, 2), $(x, y) = (-6, 9)$ then $(X, Y) =$	A. (-3, 9) B. (-3, 7) C. (-9, 11) D. (-9, 9)

D. (3, 1)

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Question Image

- A. Parallel lines
- B. Non-parallel lines
- C. Perpendicular lines
- D. Coplanar lines

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Question Image

- A. 4
- B. 2
- C. 1

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A parallelogram is a rhombus if and only if its diagonals are:

- A. Parallel
- B. Perpendicular
- C. Equal
- D. None of these

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X-co-ordinate of centroid of triangle ABC with A(-2, 3); B(-4, 1); C(3, 5) equals:

- A. -1
- B. 1
- C. 3
- D. -3