FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	The ratio in which y-axis divides the line joining (2, -3) and (-5, 6) is:	A. 2 : 3 B. 2 : 5 C. 1 : 2 D. 3 : 5
2	ax + b < c is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
3	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
4	y = b is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
5	Question Image	A. 1 (1 - 4) B. 2x - 3 C. x - 3 D. x³ - 3x
6	The line y = a is below the x-axis, if:	A. a > 0 B. a < 0 C. a = 0
7	Question Image	
8	The operation _____ by a positive constant to each side of inequality will affect the order (or sense) of inequality:	A. Adding B. Subtracting C. Multiplying D. None of these
9	y = 2x + 3 is the;	A. Slope-intercept form B. Two points form C. Point slope form D. Intercepts form
10	Question Image	A. Constant B. Implicit C. Identity D. Inverse
11	The center of circle $(x+3)^2 + (y-2)^2 = 16$ equals:	A. (-3, 2) B. (3, -2) C. (3, 2) D. (-3, -2)
12	The term dy (or df) = f '(x) dx is called the _____ of the dependent variable y.	A. Differentiation B. Integration C. Differential D. None of these
13	Question Image	A. e^{2x} sin x + c B. e^{2x}cosx + c C. -e^{2x}sin x + c D. -e^{2x}cosx + c
14	The axis of the parabola $y^2 = 4ax$ is:	A. x = 0 B. x = a C. y = 0 D. y = a
15	Area between x-axis and the curve:	A. 32 D. 16
16	The radius of point circle is:	A. 0 B. (0, 0) C. r D. 1

17	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	A. x = a B. x = -a C. y = a D. y = -a
18	The radius of circle $x^2 + y^2 + ax + by + c = 0$ is:	D. None
19	For a square of side x units, the rate of change of area with respect to the side is given by:	A. x B. x² C. 2x D. 2
20	The point where the axis meets the parabola is called _____ of the parabola:	A. Directrix B. Vertex C. Focus D. Eccentricity