

FA Part 2 Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
Si	Questions	
1	In equation of circle, coefficient of each of x^2 and y^2 are:	A. Not equal B. Opposite in signs C. Equal D. None of these
2	The vertex of the parabola $y^2 = 4ax$ is:	A. (-a, 0) B. (a, 0) C. (0, -a) D. (0, 0)
3	The conic is an ellipse, if:	A. e = 1 B. e > 1 C. 0 ⁢ e ⁢ 1 D. e = 0
4	If the equation of the parabola is $y^2 = -4ax$, then opening of the parabola is to the of the y-axis:	A. Left B. Upward C. Right D. Downward
5	Two circles of radius 3 cm and 4 cm touch each other externally. The distance between their centers is:	A. 1 cm B. 7cm C. 4cm D. 5cm
6	Point p (-5, 6) lies the circle $x^2 + y^2 + 4x - 6y - 12 = 0$	A. Outside B. Inside C. On D. None of these
7	The two parts of a right circular cones are called:	A. Nappes B. Apex of the cone C. Generator D. Vertex
8	The vertex of the parabola $x^2 = -4$ ay is:	A. (a, 0) B. (0, 0) C. (0, -a) D. (0, a)
9	The graph of the the parabola x^2 = 4ay lies in quadrant:	A. I and II B. III and IV C. II and III D. I and III
10	The focus of the parabola x2=-4ay is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (a, 0)
		A. 4a
11	Question Image	B. 2a C. 4b D. 2b
12	The parabola y^2 = 4ax lies in quadrants:	A. I and II B. III and IV C. II and III D. I and IV
13	If r is the radius of the circle and its center is at origin, then equation of circle is:	A. x ² + y ² = a ² B. x ² + y ² = r ² - y ² = a ² - y ² = a ² = a ² - y ² = a ² = a ² = r ²
14	The radius of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	
15	The ratio between the measure of the radial segment and the diameter of a circle is:	A. 2:1 B. 4:3 C. 1:2

16	Two real and distinct tangents can be drawn to a circle from any point $P(x_1, y_1)$ the circle:	A. Inside B. On C. Outside D. None of these
17	The point where the axis meets the parabola is called of the parabola:	A. Directrix B. Vertex C. Focus D. Eccentricity
18	A line segment having both the end-points on a circle and not passing through the center is called a:	A. A chord B. A secant C. A diameter D. None of these
19	The graph of the parabola y^2 = -4ax is symmetric about:	A. x-axis B. y = x C. y-axis D. None of these
20	Measure of the central angle of a minor arc is the measure of the angle subtended in the corresponding major arc.	A. Equal B. Double C. Not equal to D. Triple