

FA Part 2 Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	The distance between the center of a circle and any point of the circle is called:	A. Tangents B. Secant C. Diameter D. Radius
2	The conic is a parabola, if:	A. $e = 1$ B. $e > 1$ C. $0 < e < 1$ D. $e = 0$
3	The vertex of the parabola $x^2 = 4ay$ is:	A. $(-a, 0)$ B. $(0, a)$ C. $(0, -a)$ D. $(0, 0)$
4	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. $x = 0$ B. $y = -a$ C. $y = 0$ D. $y = -a$
5	The two parts of a right circular cones are called:	A. Nappes B. Apex of the cone C. Generator D. Vertex
6	A line segment joining two distinct points on a parabola is called a _____ of the parabola:	A. Chord B. Vertex C. Focus D. Directrix
7	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. major axis C. y-axis D. minor axis
8	The focus of the parabola $y^2 = -4ax$ is:	A. $(-a, 0)$ B. $(0, a)$ C. $(0, -a)$ D. $(a, 0)$
9	If the cone is cut by a plane perpendicular to the axis of the cone, then the section is a / an:	A. Parabola B. Circular cone C. Ellipse D. Circle
10	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
11	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
12	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
13	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
14	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
15	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. $y = x$ C. y-axis D. None of these
16	If the equation of the parabola $x^2 = 4ay$, then opening of the parabola is upward of the:	A. x-axis B. y-axis C. Major axis D. Minor axis

17 The radius of point circle is:

- A. 0
- B. (0, 0)
- C. r
- D. 1

18 One of the angles of a triangle inscribed in a circle is of 40° . If one of its' the diameter, the other angles have the measures:

- A. $30^\circ, 110^\circ$
- B. $40^\circ, 100^\circ$
- C. $50^\circ, 90^\circ$
- D. $20^\circ, 120^\circ$

19 The radius of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:

20 The opening of the parabola $x^2 = 16y$ is to _____ of the x-axis:

- A. Left
- B. Upward
- C. Right
- D. Downward