	BCM SCHOOL LUDHIANA
	ASSIGNMENT CLASS XI
	CONIC SECTION
1	If a circle passes through the points (0, 0), (a, 0) and (0, b), then
	find the coordinates of its centre
2	Find the equation of the circle which touches X-axis and whose
3	If the lines $3r = 4y + 4 = 0$ and $6r = 8y = 7 = 0$ are tangents to
5	a circle, then find the radius of the circle.
4	Find the equation of a circle which touches both the axes and the
•	line $3x - 4y + 8 = 0$ and lies in the third guadrant.
5	If one end of a diameter of the circle $x^2 + y^2 - 4x - 6y + 11 =$
	0 is (3, 4), then find the coordinate of the other end of the
	diameter.
6	Find the equation of the circle having (1, -2) as its centre and
	passing through point of the intersection of two lines $3x + y = 14$
	and 2x + 5y =18.
7	Find the equation of a circle concentric with the circle $x^2 + y^2 - 6x + 12y + 12$
	15 = 0 and has double of its area.
8	If the latus rectum of an ellipse is equal to half of minor axis, then
	find its eccentricity.
9	Find the length of the line segment joining the vertex of the
	parabola $y^2 = 4$ ax and a point on the parabola, where the line
	segment makes an angle θ to the X-axis.
10	If the lines $2x - 3y = 5$ and $3x - 4y = 7$ are the diameters of a
	circle of area 154 sq units, then find the equation of the circle.
11	A man running in a race course notes that the sum of the distances
	of the two flag posts from him is always 12 m & the distance
	between the hag posts is 10 m. Thu the equation of the path traced
12	Dy une man. Find the equation of the curve formed by the set of all these points
12	the sum of whose distance from the
	A(4,0,0) & B(-4,0,0) is 10 units.
	points