

MAC1140 SEC29 HW 10-11-2007 9.3

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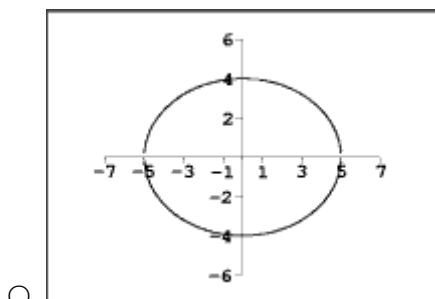
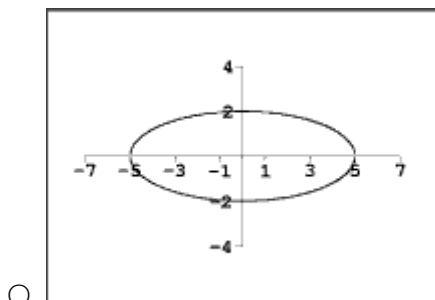
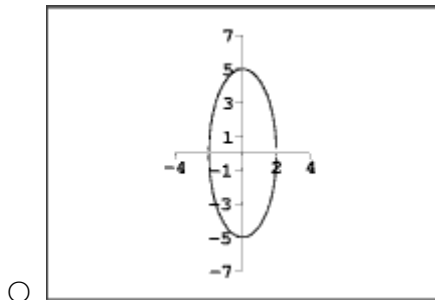
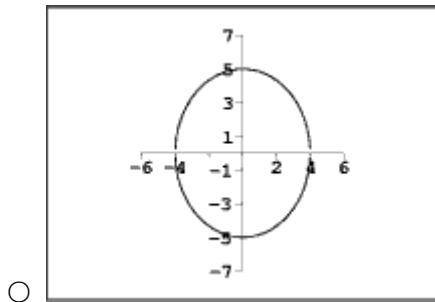
Due: 10-15-2007

Full Name:

Sec#:

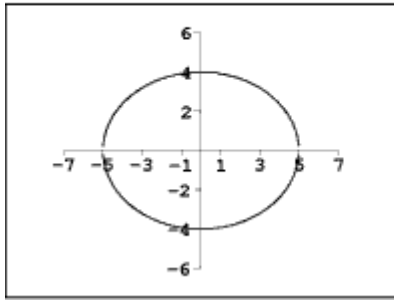
Extra Credit Attempted?

1. [9.3.1aPT] Select the graph of $\frac{x^2}{4} + \frac{y^2}{25} = 1$.



2.

[9.3.1bPT]Select the equation of the following graph.



- $\frac{x^2}{16} + \frac{y^2}{25} = 1$
- $\frac{x^2}{25} + \frac{y^2}{16} = 1$
- $\frac{x^2}{4} + \frac{y^2}{25} = 1$
- $\frac{x^2}{25} + \frac{y^2}{4} = 1$

3.

[9.3.2aPT]Select the equation of the ellipse with center at (0,0), focus at (3, 0), and vertex at (-6, 0).

- $\frac{x^2}{36} + \frac{y^2}{9} = 1$
- $\frac{x^2}{9} + \frac{y^2}{36} = 1$
- $\frac{x^2}{27} + \frac{y^2}{36} = 1$
- $\frac{x^2}{36} + \frac{y^2}{27} = 1$

5.

[9.3.2bPT]Find the foci of the ellipse given by $\frac{x^2}{27} + \frac{y^2}{36} = 1$.

None of these

- $(0, \pm 3)$
- $(\pm 6, 0)$
- $(0, \pm 6)$
- $(\pm 3, 0)$