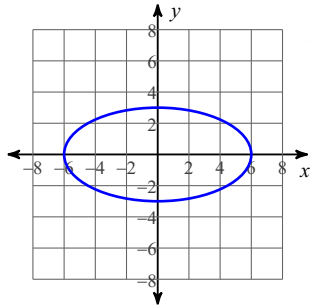


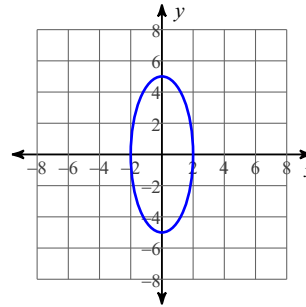
Answers to Worksheet 27 - Review 70 to 74

1)



Major Axis: 12 units
Minor Axis: 6 units

2)



Major Axis: 10 units
Minor Axis: 4 units

3) 20°

7) $(-1, 6)$

10) $\left(-\frac{9}{14}, \frac{3}{14}\right)$

4) 35.1°

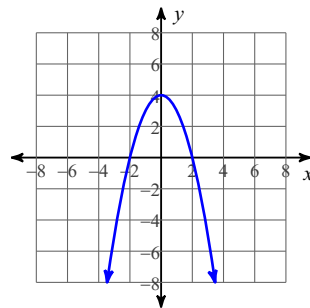
8) No solution.

11)

5) 24.7 ft^2

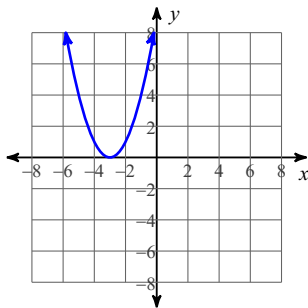
6) 22 in^2

9) Infinitely many solutions



Vertex: $(0, 4)$
Focus: $\left(0, \frac{15}{4}\right)$
Axis of Sym.: $x = 0$
Directrix: $y = \frac{17}{4}$

12)



Vertex: $(-3, 0)$
Focus: $\left(-3, \frac{1}{4}\right)$
Axis of Sym.: $x = -3$
Directrix: $y = -\frac{1}{4}$