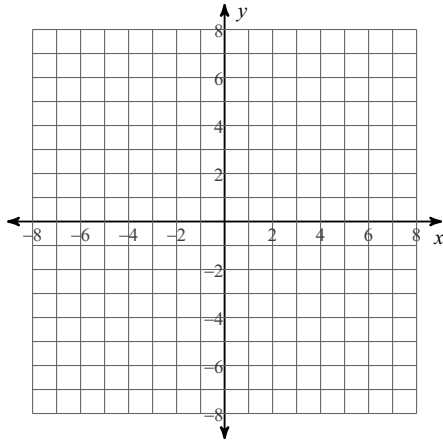


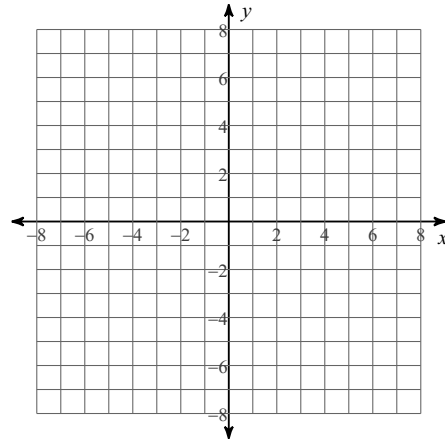
Worksheet 27 - Review 70 to 74

Identify the length of the major axis and length of the minor axis of each. Then sketch the graph.

1) $-36 + 4y^2 = -x^2$

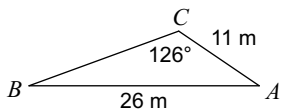


2) $4y^2 + 25x^2 = 100$

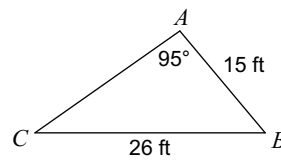


Find each measurement indicated. Round your answers to the nearest tenth.

3) Find $m\angle B$

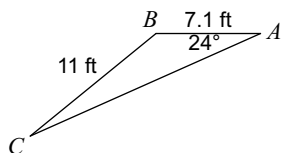


4) Find $m\angle C$

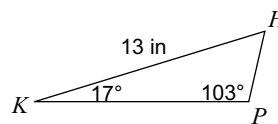


Find the area of each triangle to the nearest tenth.

5)



6)



Use Cramer's Rule to solve each system.

$$\begin{aligned} 7) \quad x + 3y &= 17 \\ 2x - 2y &= -14 \end{aligned}$$

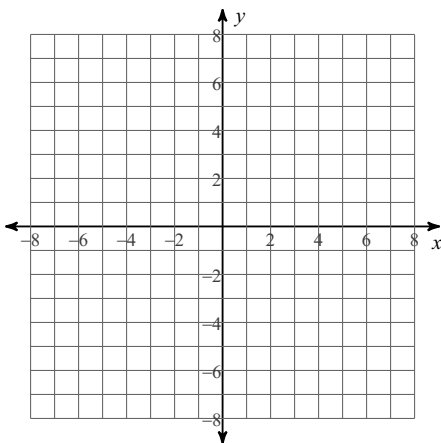
$$\begin{aligned} 8) \quad x + y &= 0 \\ -2x - 2y &= 6 \end{aligned}$$

$$\begin{aligned} 9) \quad -6x + 3y &= 0 \\ -2x + y &= 0 \end{aligned}$$

$$\begin{aligned} 10) \quad 2x + 6y &= 0 \\ 4x - 2y &= -3 \end{aligned}$$

Identify the vertex, focus, axis of symmetry, and directrix of each. Then sketch the graph.

$$11) \quad f(x) = -x^2 + 4$$



$$12) \quad f(x) = x^2 + 6x + 9$$

