

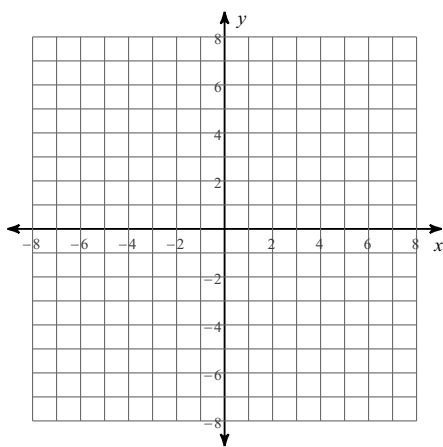
Hwk The Ellipse

State 3 characteristics about the following ellipses.

1) $\frac{x^2}{49} + \frac{(y + 4)^2}{100} = 1$

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

2) $(x + 4)^2 + \frac{(y - 1)^2}{36} = 1$



Use the information provided to write the general conic form equation of each ellipse.

3) $\frac{(x + 10)^2}{81} + \frac{(y - 6)^2}{36} = 1$

Use the information provided to write the standard form equation of each ellipse.

4) $9x^2 + 16y^2 - 144x = 0$