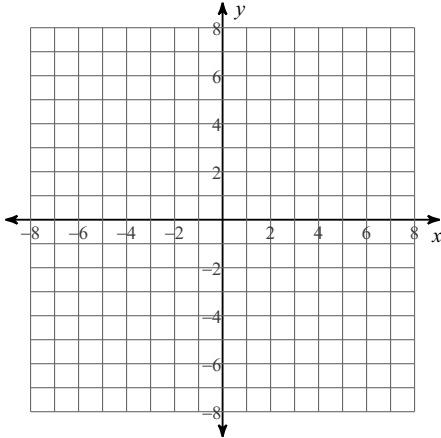


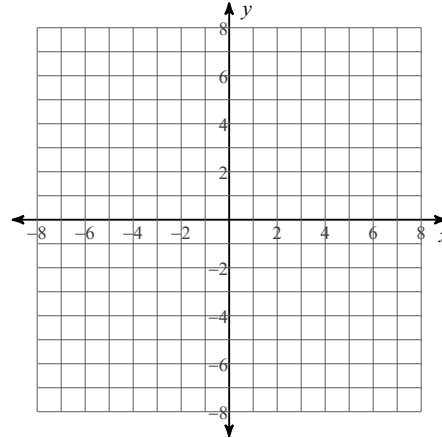
## Ellipses Worksheet

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

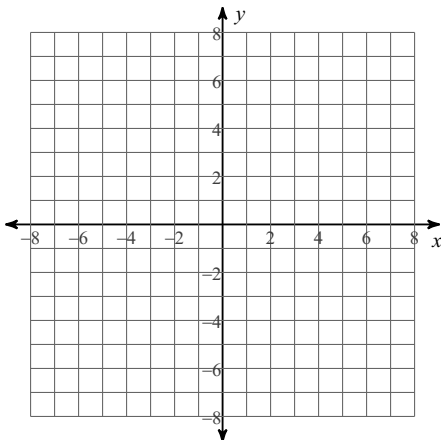
$$1) \frac{(x+1)^2}{25} + (y-2)^2 = 1$$



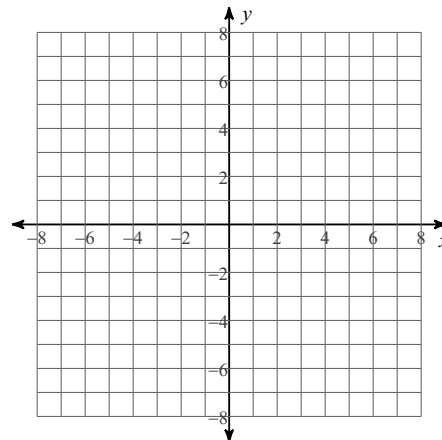
$$2) \frac{x^2}{9} + \frac{y^2}{49} = 1$$



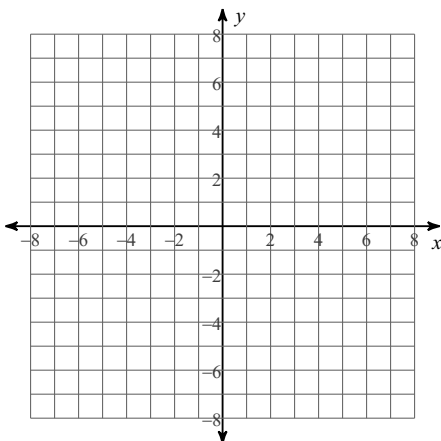
$$3) x^2 + 3y^2 - 18y - 18 = 0$$



$$4) 2x^2 + y^2 + 4x - 38 = 0$$



$$5) 25x^2 + y^2 + 150x + 200 = 0$$



$$6) 4x^2 + 49y^2 + 98y - 147 = 0$$

