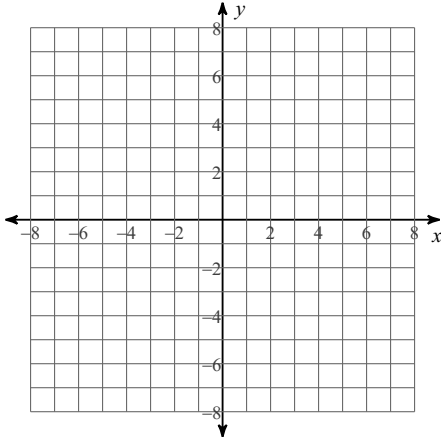


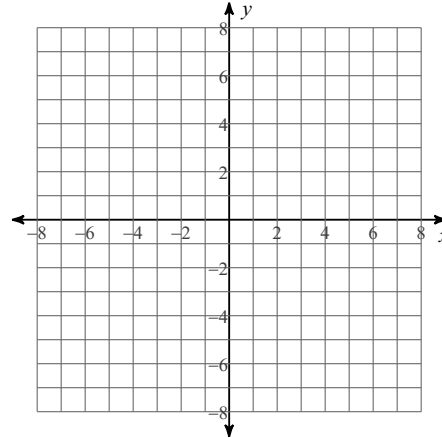
## Hyperbola Worksheet

Identify the vertices of each. Then sketch the graph.

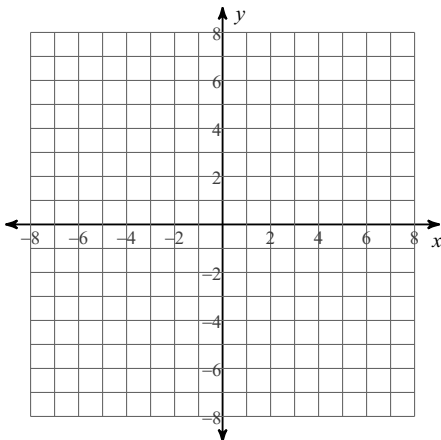
$$1) \frac{(x+1)^2}{16} - \frac{y^2}{25} = 1$$



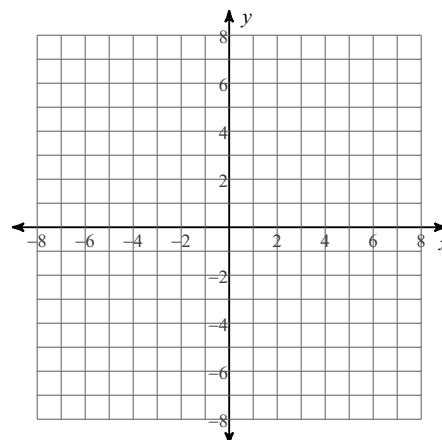
$$2) \frac{(y+1)^2}{9} - (x-3)^2 = 1$$



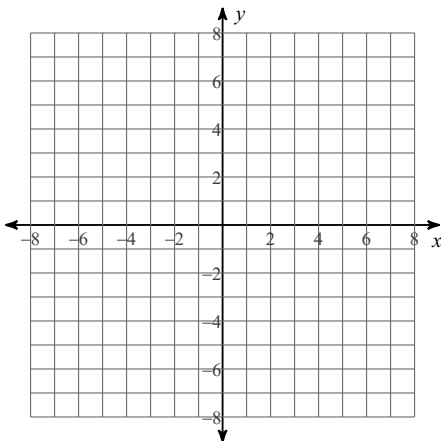
$$3) 25x^2 - 9y^2 + 50x - 200 = 0$$



$$4) -4x^2 + 16y^2 - 20x + 32y - 25 = 0$$



$$5) 16x^2 - y^2 - 32x - 2y - 1 = 0$$



$$6) -16x^2 + 25y^2 - 50y - 375 = 0$$

