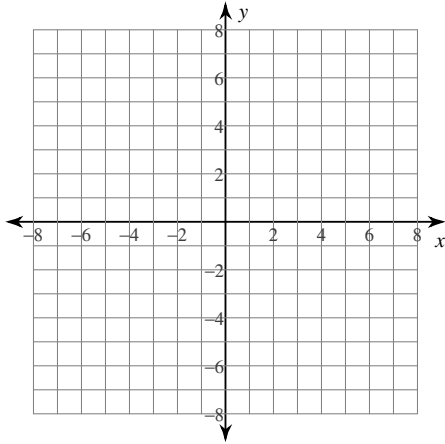


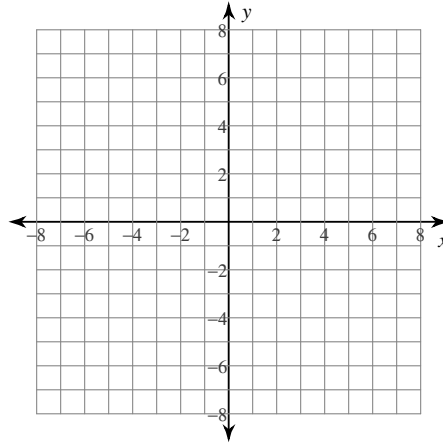
Graphing Ellipses Given the Standard Equation

Identify the center and vertices of each. Then sketch the graph.

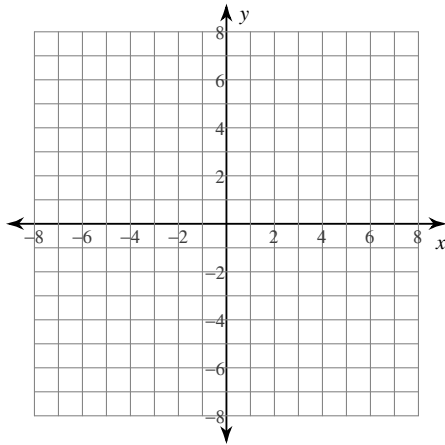
1) $\frac{(x+3)^2}{4} + (y-1)^2 = 1$



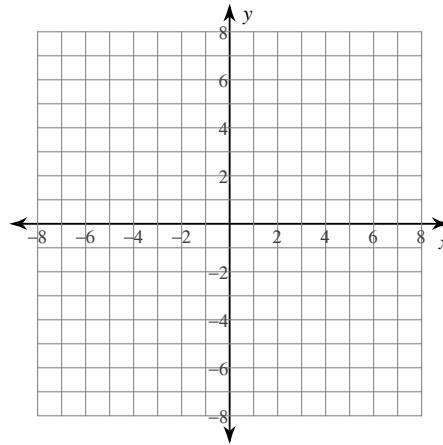
2) $\frac{x^2}{36} + (y+6)^2 = 1$



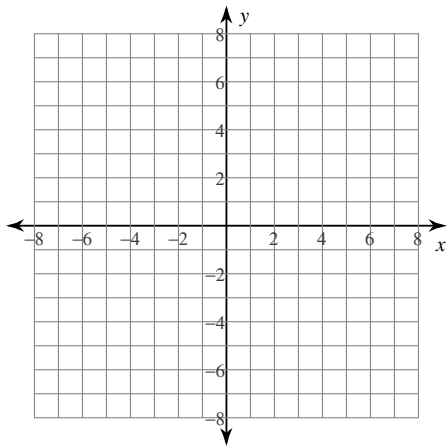
3) $\frac{x^2}{49} + \frac{(y+1)^2}{9} = 1$



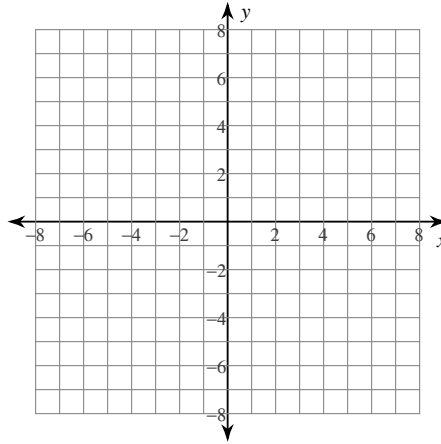
4) $\frac{(x+1)^2}{36} + \frac{y^2}{49} = 1$



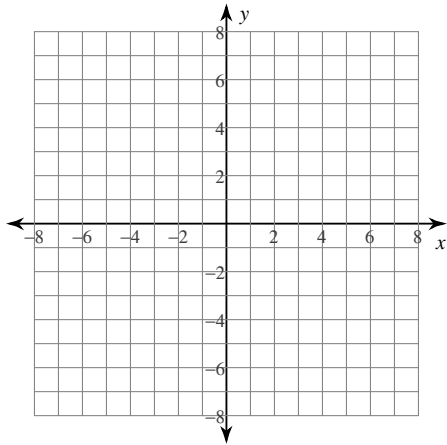
$$5) \frac{x^2}{25} + \frac{(y-1)^2}{36} = 1$$



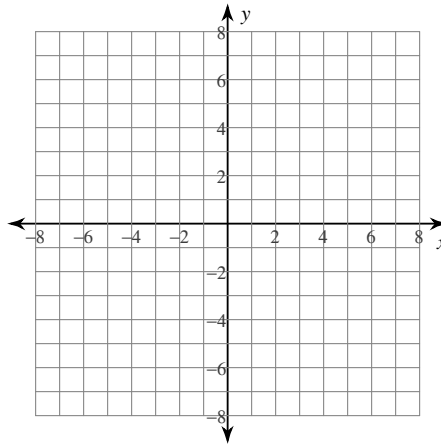
$$6) \frac{(x+2)^2}{9} + \frac{\left(y-\frac{1}{2}\right)^2}{36} = 1$$



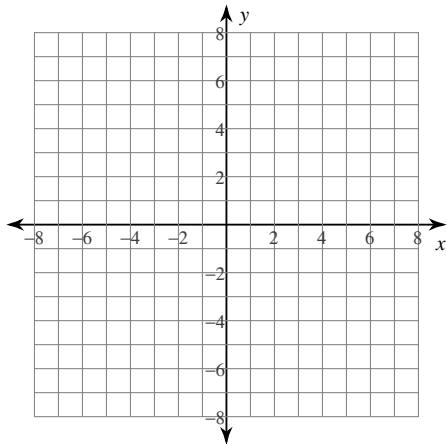
$$7) \frac{(x-2)^2}{9} + \frac{(y+1)^2}{36} = 1$$



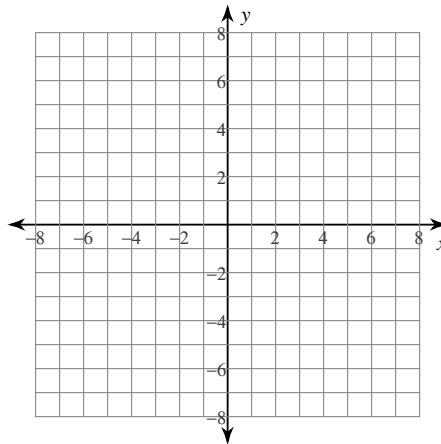
$$8) \frac{x^2}{25} + \frac{y^2}{49} = 1$$



$$9) \frac{(x+1)^2}{9} + \frac{(y-1)^2}{25} = 1$$

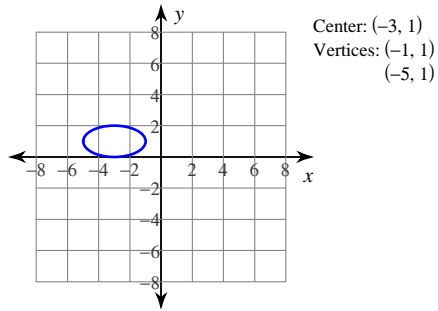


$$10) \frac{(x+2)^2}{25} + \frac{(y+5)^2}{4} = 1$$

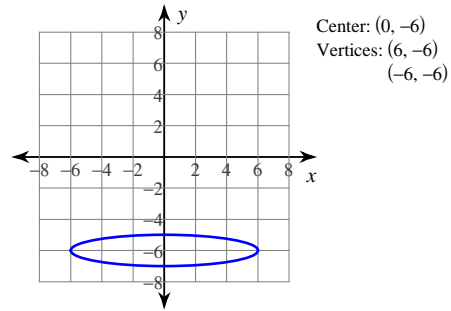


Answers to Graphing Ellipses Given the Standard Equation

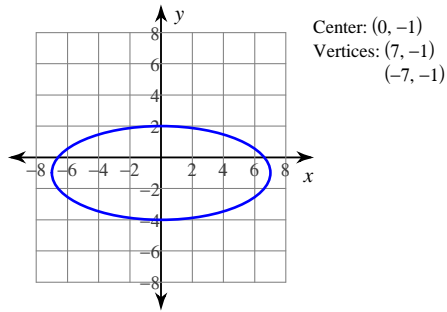
1)



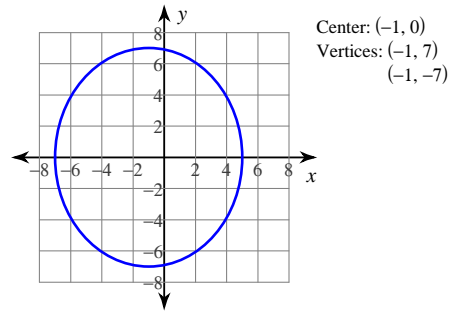
2)



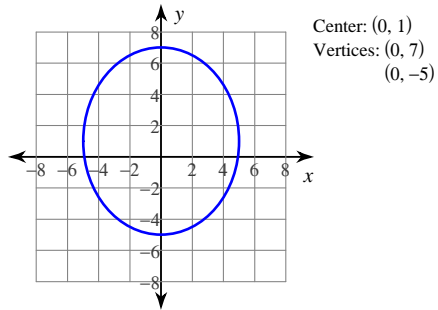
3)



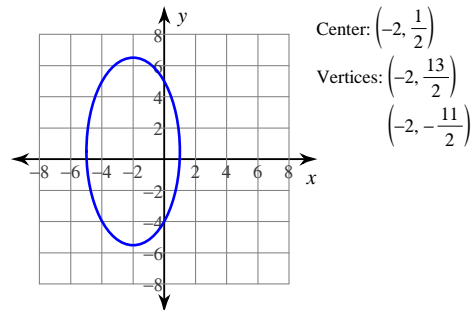
4)



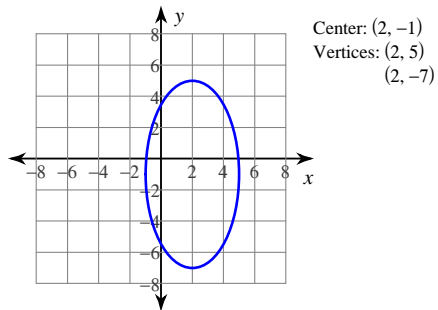
5)



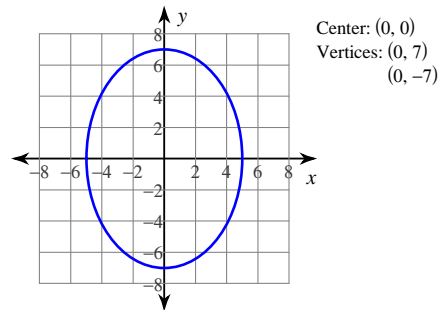
6)



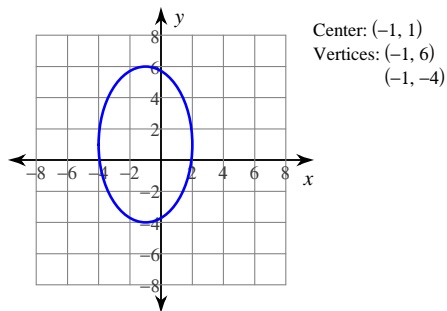
7)



8)



9)



10)

