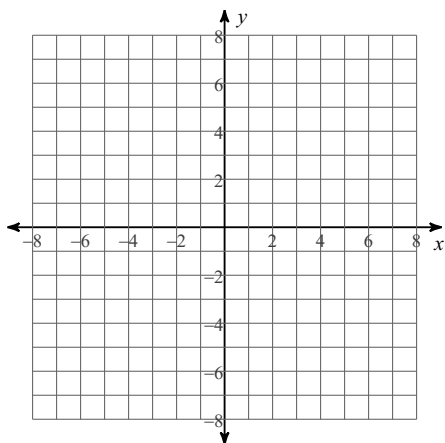


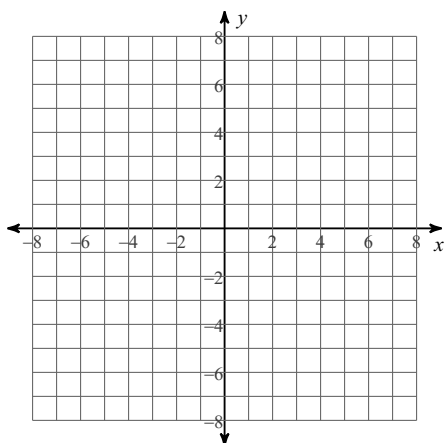
# Ellipses

**Identify the center, vertices, co-vertices, foci, length of the major axis, length of the minor axis, and eccentricity of each. Then sketch the graph.**

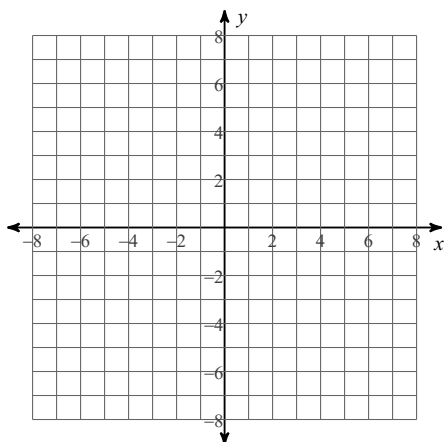
1)  $\frac{(x + 1)^2}{9} + \frac{y^2}{16} = 1$



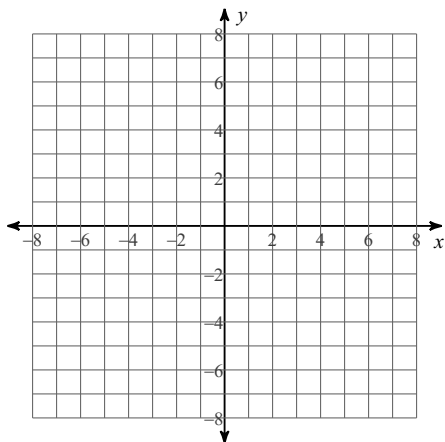
2)  $\frac{(x + 3)^2}{16} + \frac{(y + 1)^2}{4} = 1$



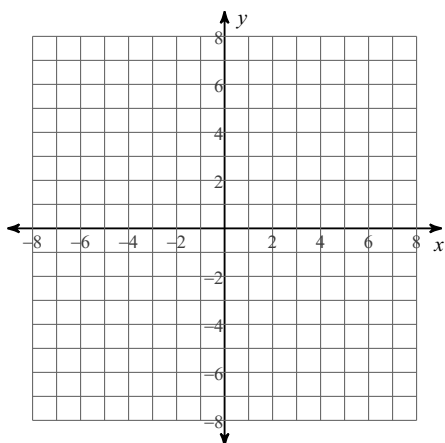
3)  $\frac{(x + 1)^2}{25} + \frac{(y + 1)^2}{36} = 1$



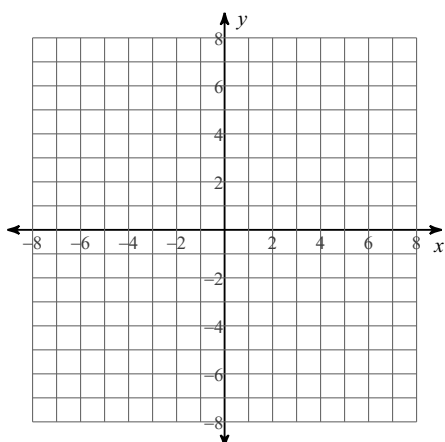
$$4) \frac{x^2}{49} + \frac{(y+1)^2}{16} = 1$$



$$5) \frac{(x+1)^2}{4} + (y+3)^2 = 1$$

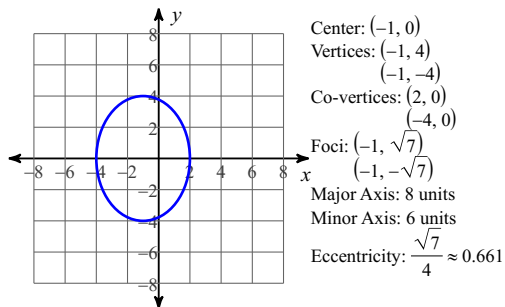


$$6) (x+6)^2 + \frac{(y+4)^2}{4} = 1$$

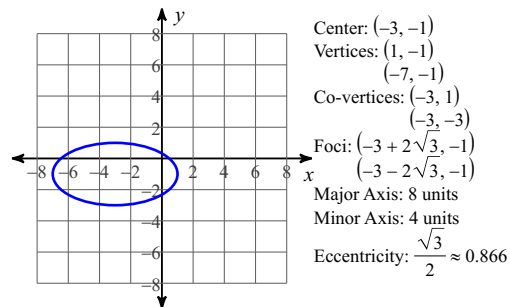


# Answers to Ellipses (ID: 1)

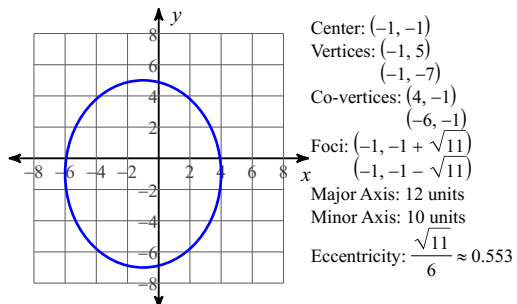
1)



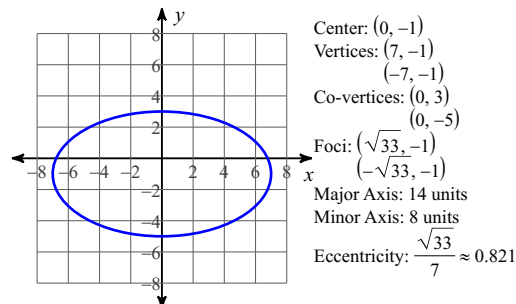
2)



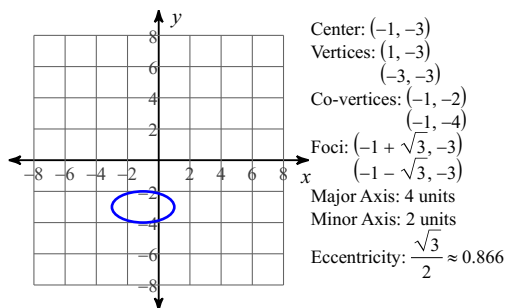
3)



4)



5)



6)

