

Equation of an Ellipse

with center (h,k)

Foci

$$\frac{(x - h)^2}{a^2} + \frac{(y - k)^2}{b^2} = 1$$

Graph the following Ellipse

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

Center

Horizontal/Vertical

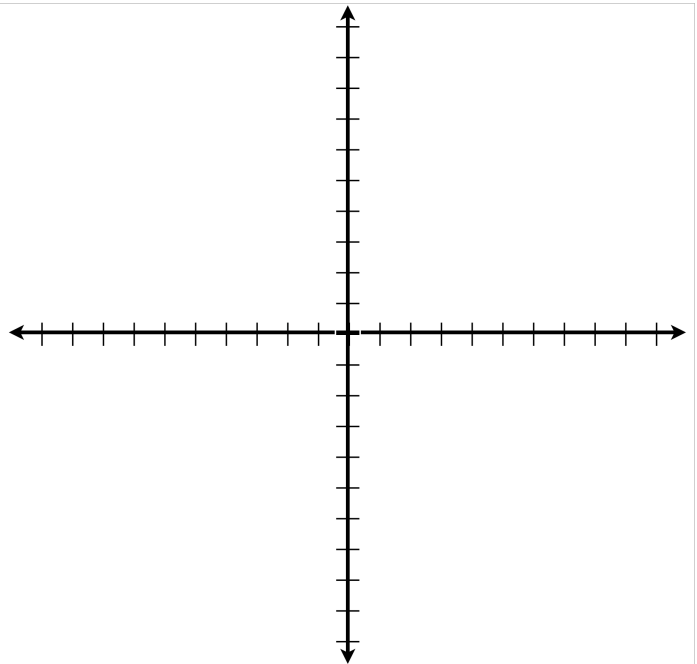
Major Axis Length

Minor Axis Length

Vertices

Co-Vertices

Foci



Graph the following Ellipse

$$\frac{(x - 4)^2}{25} + \frac{(y - 2)^2}{16} = 1$$

Center

Horizontal/Vertical

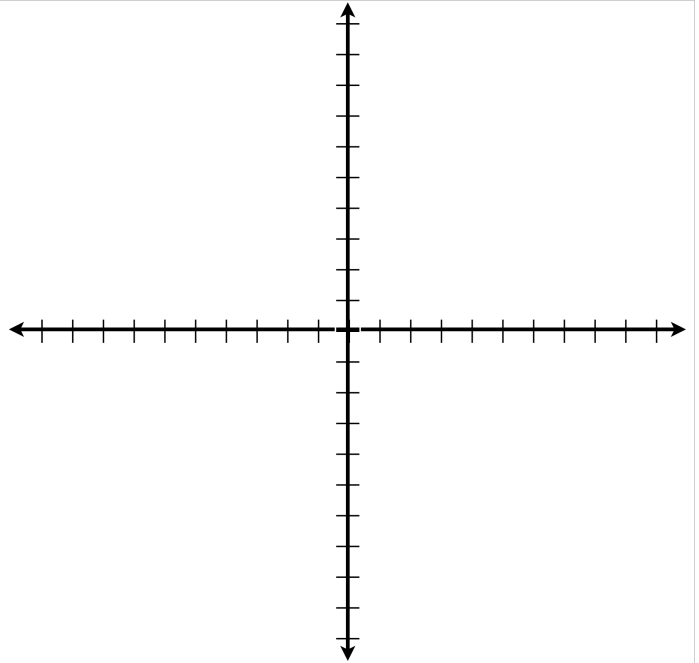
Major Axis Length

Minor Axis Length

Vertices

Co-Vertices

Foci



Graph the following Ellipse

$$\frac{x^2}{12} + \frac{y^2}{28} = 1$$

Center

Horizontal/Vertical

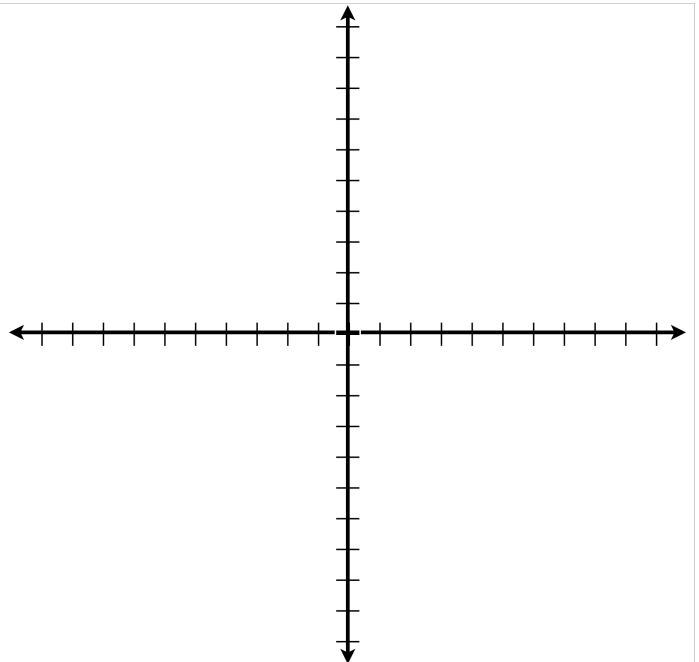
Major Axis Length

Minor Axis Length

Vertices

Co-Vertices

Foci



Graph the following Ellipse

$$\frac{(x + 1)^2}{32} + \frac{(y + 2)^2}{4} = 1$$

Center

Horizontal/Vertical

Major Axis Length

Minor Axis Length

Vertices

Co-Vertices

Foci

