Graphing Ellipses with Center (0,0)

Name _____

Date _____ Period _____

Graph the following ellipse

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

Center

Horizontal / Vertical

Major Axis Length

Minor Axis Length

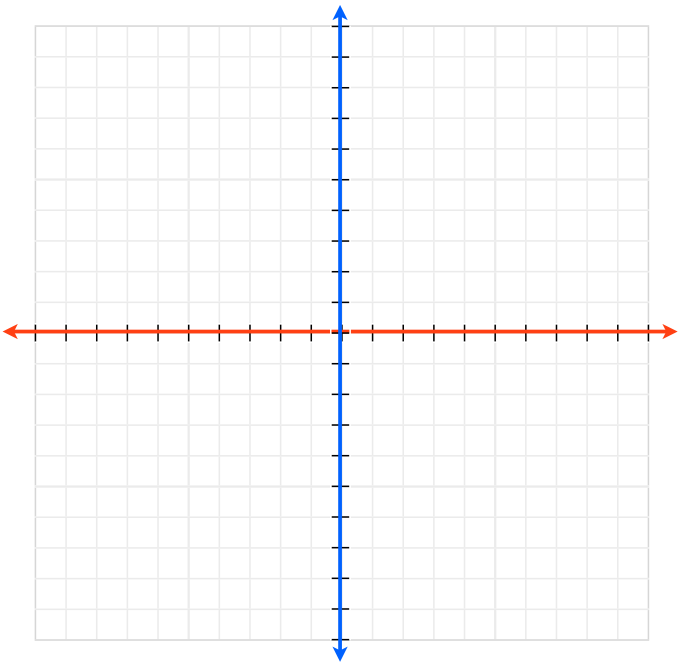
Vertices

Co-Vertices

Foci

Domain

Range



Graph the following ellipse

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

Center

Horizontal / Vertical

Major Axis Length

Minor Axis Length

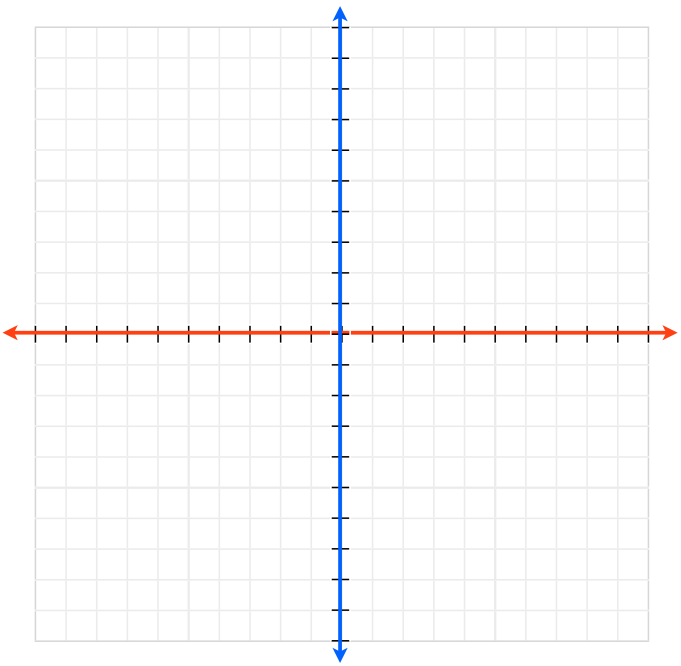
Vertices

Co-Vertices

Foci

Domain

Range



Graph the following ellipse

$$\frac{x^2}{36} + \frac{y^2}{100} = 1$$

Center

Horizontal / Vertical

Major Axis Length

Minor Axis Length

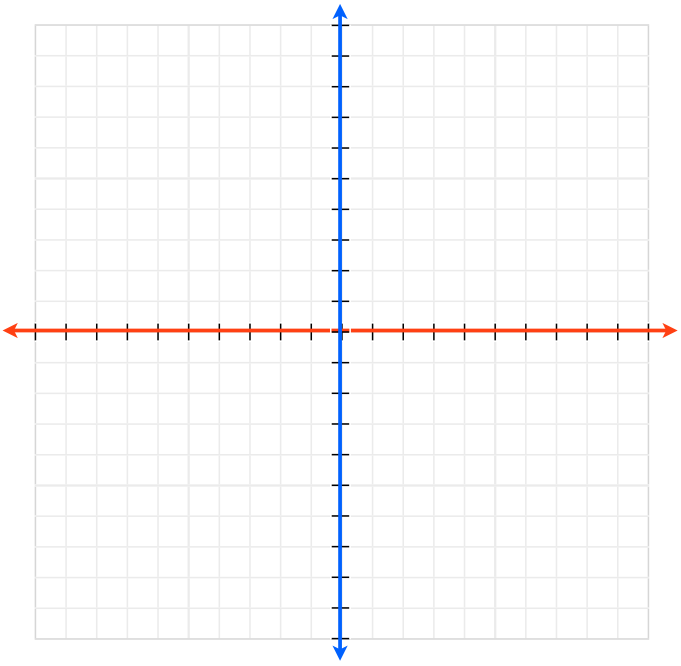
Vertices

Co-Vertices

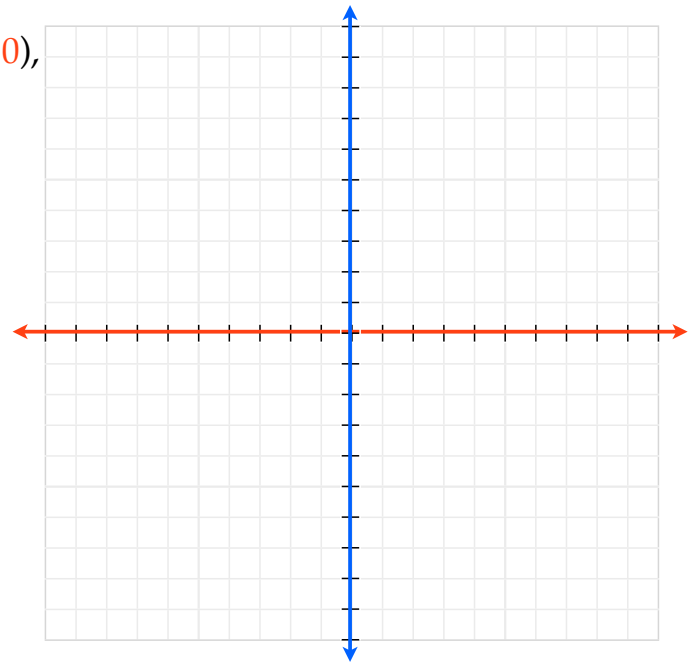
Foci

Domain

Range



Find the equation of an ellipse with center (0,0), vertex at (5,0) and co-vertex at (0,-3)



Find the equation of an ellipse with center (0,0), vertex at (-10,0) and focus at (-6,0)