

Ellipse Examples 8.2 PreCalc

① Find the vertices, co-vertices, foci, major axis length, and minor axis length of $3x^2 + y^2 = 9$

② Find the equation for the ellipse with center at the origin and foci $(0, \pm 4)$ and covertices $(\pm 2, 0)$

③ What is the center of the following ellipse? What are the vertices & co-vertices?

$$\frac{(x-3)^2}{64} + \frac{(y-3)^2}{36} = 1$$

④ Find the equation for the ellipse with vertices $(9,9)$ and $(9,-5)$ with focus $(9,6)$?