Date \_\_\_\_\_\_ Period \_\_\_\_\_

Equation of an Ellipse with center 
$$(h,k)$$

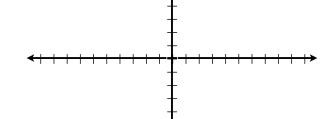
Foci 
$$(x-h)^2 + (x-h)^2$$

$$\frac{(y-k)^2}{b^2}=1$$

Write the equation of an ellipse with the following characteristics

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

Center: (0,0) Vertex: (5,0) Focus: (4,0)

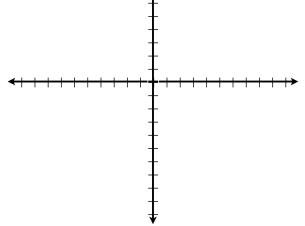


Write the equation of an ellipse with the following characteristics

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

Major Axis Length: 8

Foci: (0,±2)

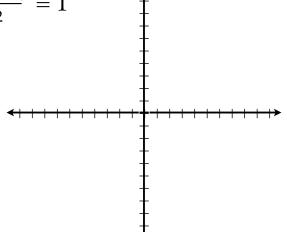


Write the equation of an ellipse with the following characteristics

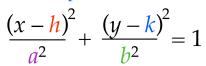
$$\frac{(x-h)^2}{a^2} + \frac{(y-k)^2}{b^2} = 1$$

Center: (2,-5) Vertex: (6,-5)

Point: (2,-3)



Write the equation of an ellipse with the following characteristics



Vertices: (-2,0) and (-2,-10) focus at (-2,-2)

