

Topic 7.4

Ellipses

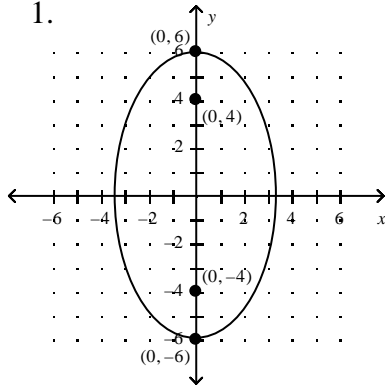
Homework

Write an equation for each ellipse.

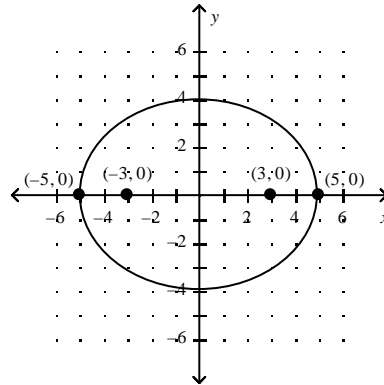
Name: _____

Date: _____

1.



2.



Find the coordinates of the center and foci and the lengths of the major and minor axes.

3. $3x^2 + 12y^2 = 48$

center:

foci:

major axes:

minor axes:

4. $x^2 + 4y^2 - 8x + 16y = 4$

center:

foci:

major axes:

minor axes:

5. $6x^2 + 2y^2 + 24x + 12y = 131$

center:

foci:

major axes:

minor axes:

6. $20x^2 + 12y^2 = 60$

center:

foci:

major axes:

minor axes: