

NAME:

DATE:

Equations of Ellipses

Find the equation of each ellipse.







Graph each ellipse. Also provide the center and the lengths of the minor axis and major axis.

 $\boxed{7.} \frac{x^2}{16} + \frac{y^2}{9} = 1 \qquad \boxed{8.} \frac{x^2}{4} + \frac{y^2}{25} = 1 \qquad \boxed{9.} \frac{x^2}{9} + y^2 = 1$ $\boxed{10.} (x-2)^2 + \frac{y^2}{16} = 1 \qquad \boxed{11.} \frac{(x-2)^2}{9} + \frac{(y+1)^2}{16} = 1 \qquad \boxed{12.} \frac{x^2}{25} + \frac{(y-3)^2}{4} = 1$

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SOLUTIONS

