EXTRA PRACTICE — Exercises

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Unit IX – The Conic Sections Part C – Ellipses Lesson 1 – Ellipses - Standard Form

Graph the solution set ellipse for each of the following second-degree equations. In addition, identify the center and describe the two axes of symmetry.

1.
$$\frac{x^2}{9} + \frac{y^2}{4} = 1$$
 2. $\frac{x^2}{4} + \frac{y^2}{9} = 1$

3.
$$\frac{(x-1)^2}{16} + \frac{(y+5)^2}{9} = 1$$

4. $\frac{(x+2)^2}{16} + \frac{(y-3)^2}{25} = 1$

5.
$$\frac{(x+3)^2}{4} + \frac{(y-2)^2}{36} = 1$$

EXTRA PRACTICE — Answer Key

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Unit IX – The Conic Sections Part C – Ellipses Lesson 1 – Ellipses - Standard Form

Graph the solution set ellipse for each of the following second-degree equations. In addition, identify the center and describe the two axes of symmetry.

