WARM-UP EXERCISES

For use before Lesson 10.7, pages 641–648

Fill in the blank.

1. Two lines intersect in a _____.

2. Two lines in a plane that don't intersect are _____.

3. The point $(0, 0)$ is the _____ of the circle $x^2 + y^2 = 25$.

4. The point $(1, 4)$ is in the _____ of the circle with equation $x^2 + y^2 = 25$.

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DAILY HOMEWORK QUIZ

For use after Lesson 10.6, pages 636–640

Give the center and radius of the circle.

1. $(x + 3)^2 + (y - 5)^2 = 36$

2. $(x - 4)^2 + (y + 1)^2 = 49$

Write the standard equation of the circle with the given information.

3. center $(1, 0)$, radius 2

4. center $(3, -2)$, a point on the circle is $(3, 4)$.