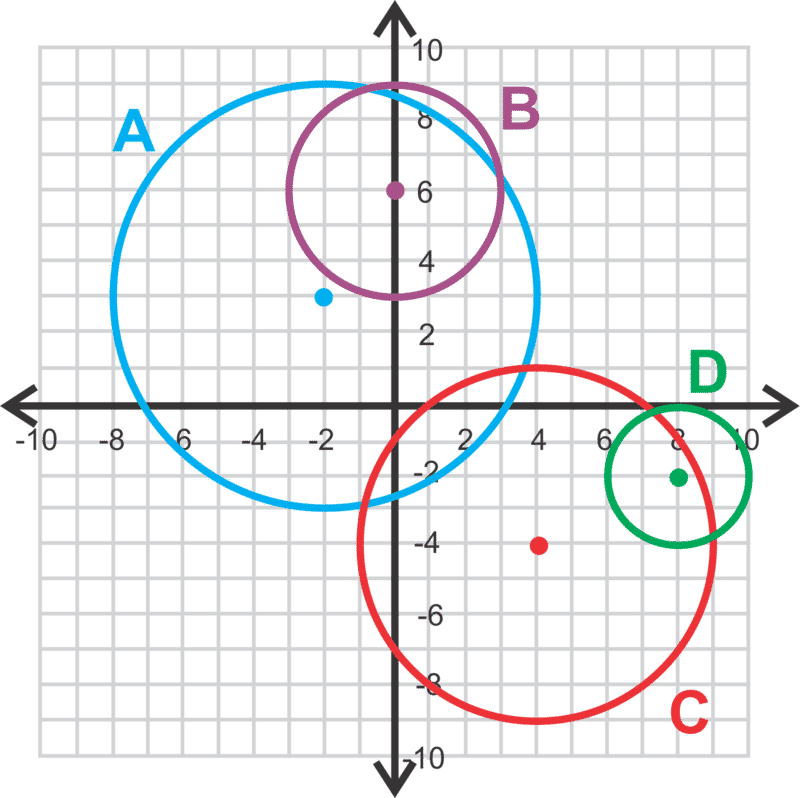
Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Circles whose center is not on (0,0)

For questions 1-4, match the equation with the graph.



Graph the following circles. Find the center and radius.



Find the equation of the circle, given the information below.

7. center: (−3,−3) radius: 7

1. center: (−7,6) radius:

**Extra Credit: Graph each circle. (Hint: Find the radius for #9, and the center and radius for #10)**

1. center: (−2,−5) point on circle: (3,2)
2. diameter endpoints: (−4,1) and (6,3)