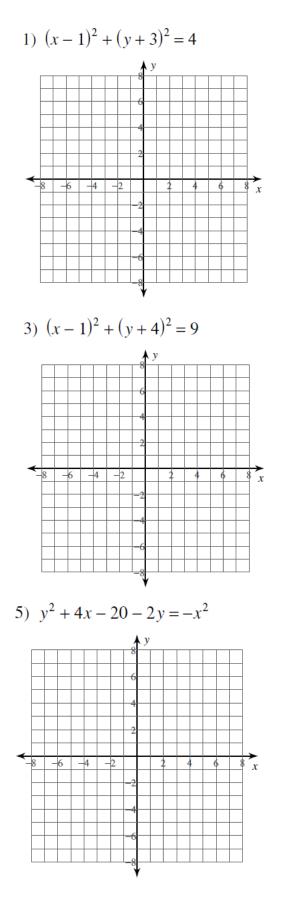
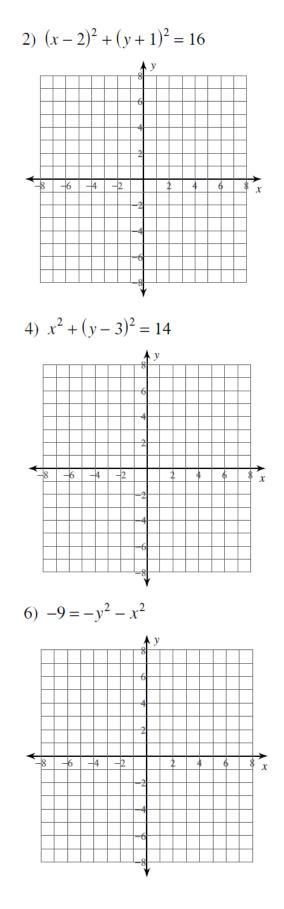
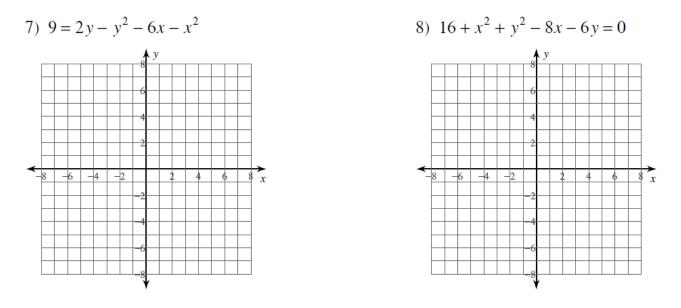
EQUATIONS OF CIRCLES

Identify the center and radius of each. Then sketch the graph.





EQUATIONS OF CIRCLES



Use the information provided to write the equation of each circle.

9) Center: (13, -13) Radius: 4 10) Center: (-13, -16) Point on Circle: (-10, -16)

11) Ends of a diameter: (18, -13) and (4, -3)

12) Center: (10, -14)Tangent to x = 13

13) Center lies in the first quadrant Tangent to x = 8, y = 3, and x = 14 14) Center: (0, 13) Area: 25π