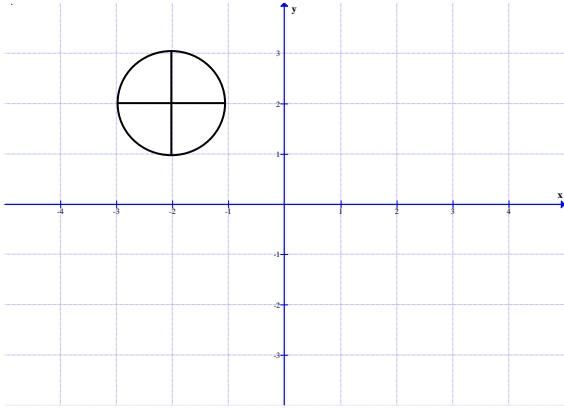


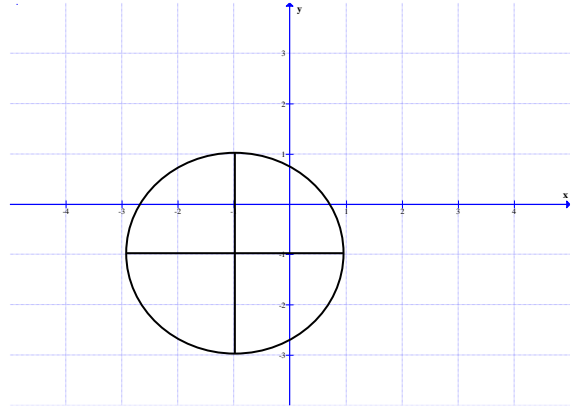
Circles in the Coordinate Plane Assignment

Find the center radius equation of the following circles.

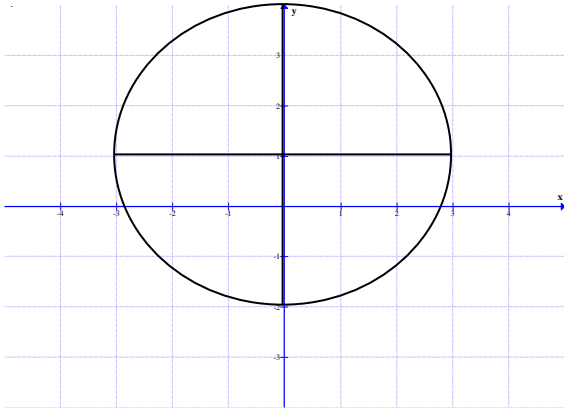
1.



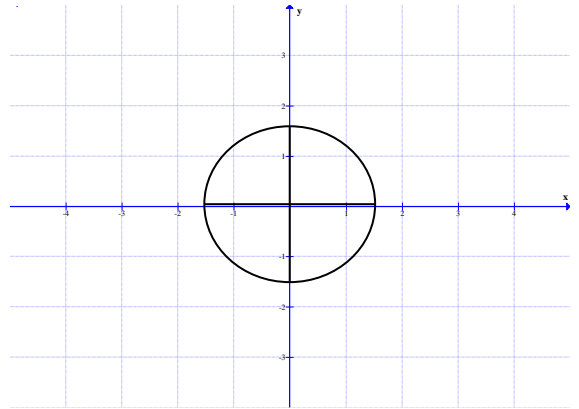
2.



3.



4.



Name: _____ Period: _____ Date: _____

Circles in the Coordinate Plane Assignment

Find the center radius equation of a circle given its center and radius.

5. Center at (3,4) and radius is 5
6. Center at (0,0) and radius is 10

7. Center at (-3,-7) and radius is 5
8. Center at (4,0) and radius is 4

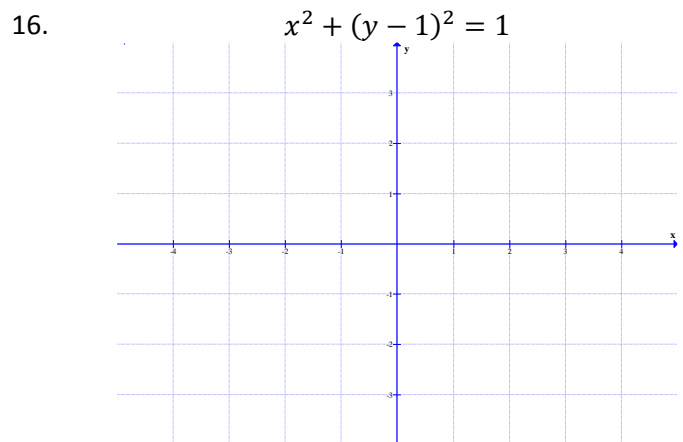
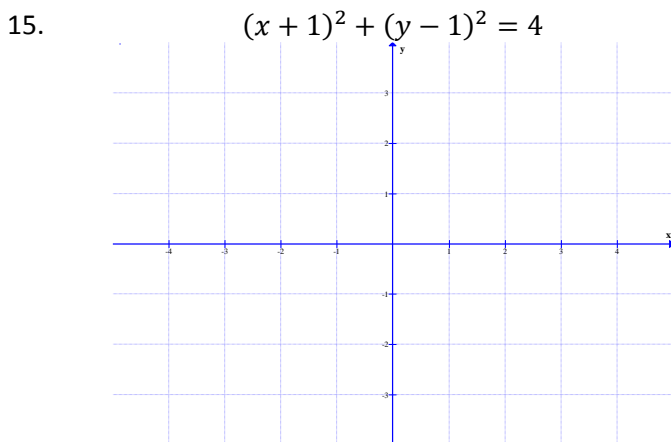
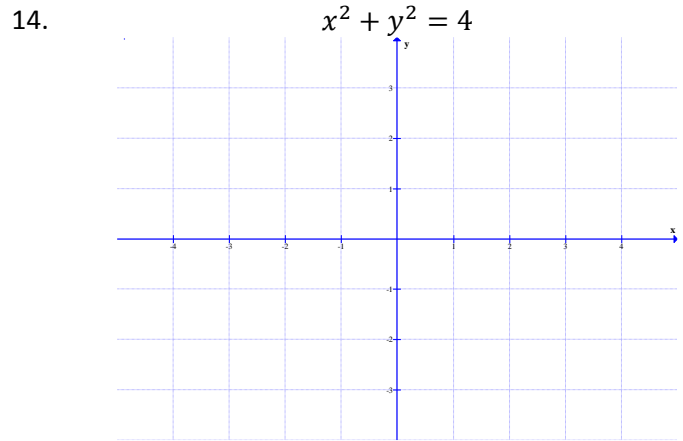
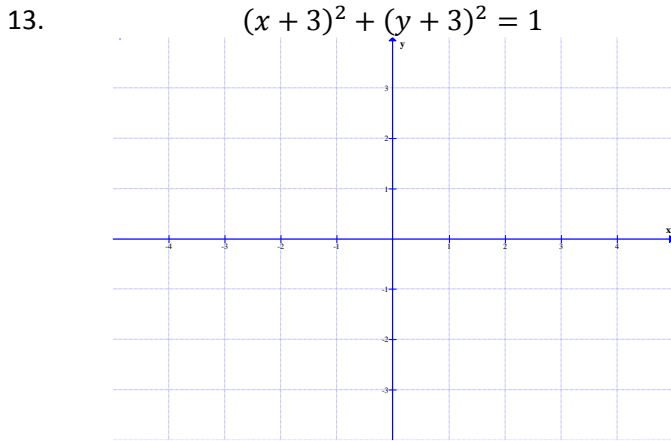
Find the radius of the following circle.

9. Center at (3,4) and point (3,8)
10. Center at (0,0) and point (3,3)

11. Center at (-3,-7) and point (-1, -7)
12. Center at (4,0) and point (4,5)

Circles in the Coordinate Plane Assignment

Graph the following circle.



Change the following general formula to center radius form.

17. $x^2 + y^2 - 4x + 6y - 24 = 0$

18. $x^2 + y^2 + 10x - 8y - 12 = 0$

19. $x^2 + y^2 - 6x + 4y - 10 = 0$

20. $x^2 + y^2 - 2x + 4y + 10 = 0$

Name: _____ Period: _____ Date: _____

Circles in the Coordinate Plane Assignment