

Chapter 12 Practice: Circles

Write the equation for each circle in the form $(x - h)^2 + (y - k)^2 = r^2$.

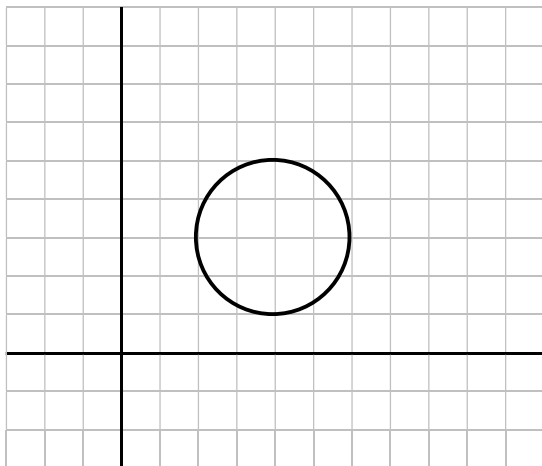
1. Center (4, 7), Radius = 10
2. Center (-2, 1), Radius = 8
3. Center (0, 3), Radius = 5

List the center and radius of each circle. Graph each one.

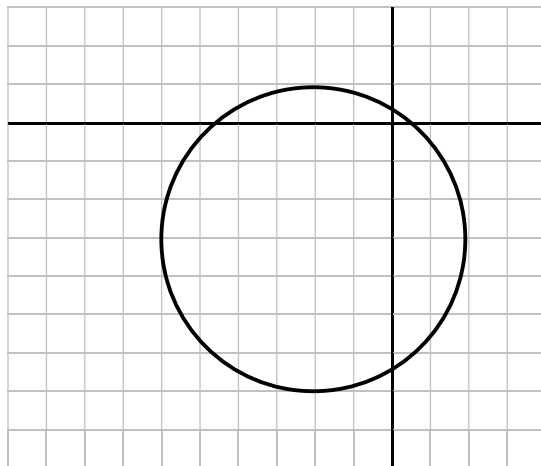
4. $(x - 2)^2 + (y - 11)^2 = 49$
5. $(x + 5)^2 + (y - 1)^2 = 19$
6. $(x - 6)^2 + y^2 = 7$

Write the equation for each graph. Each square equals 1 unit.

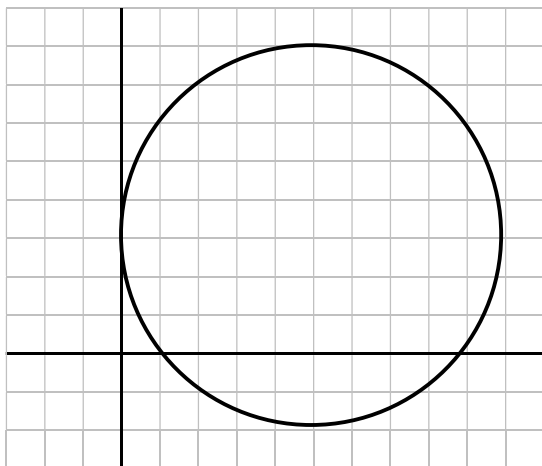
7.



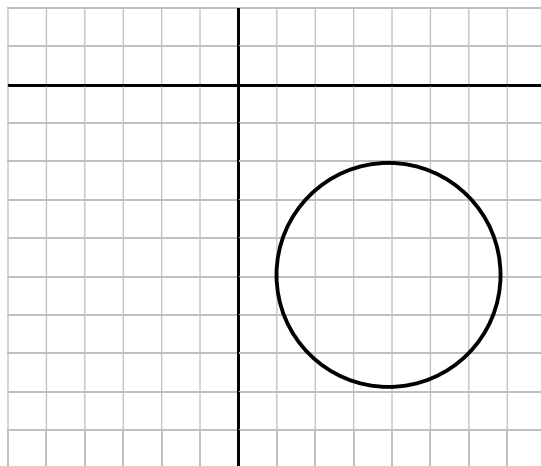
9.



8.



10.



11. Write an equation for a circle with diameter AB: A(1,1), B(5,5)