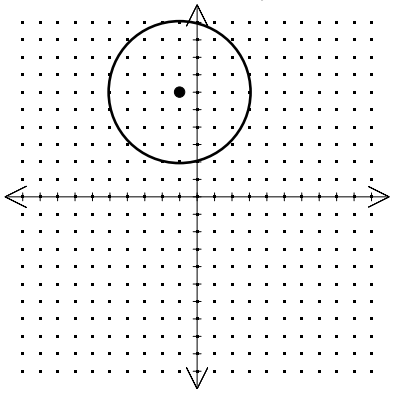
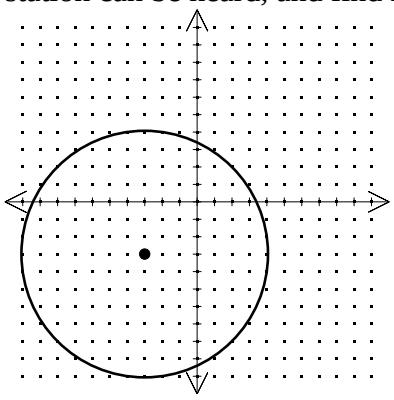
NAME:_____

P.I. G.G.72: Write the equation of a circle given its graph (Note: The center is an ordered pair of integers and the radius is an integer)
P.I. A2.A.49: Write the equation of a circle from its graph

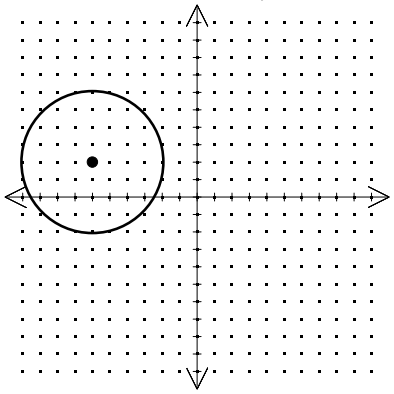
1. A certain low-watt radio station is able to be heard in a small part of the city. Write an equation for the boundary where the radio station can be heard, and find its radius.



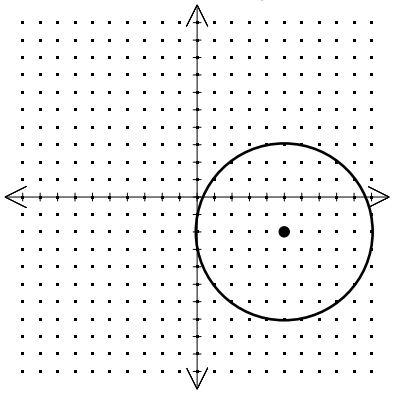
2. A certain low-watt radio station is able to be heard in a small part of the city. Write an equation for the boundary where the radio station can be heard, and find its radius.



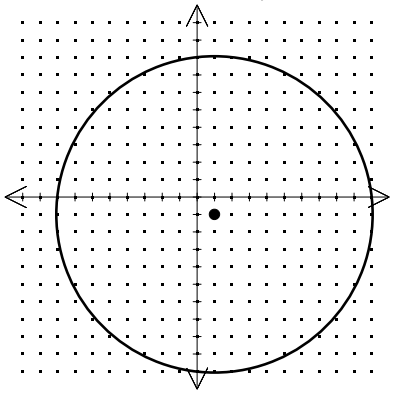
3. A certain low-watt radio station is able to be heard in a small part of the city. Write an equation for the boundary where the radio station can be heard, and find its radius.



4. A certain low-watt radio station is able to be heard in a small part of the city. Write an equation for the boundary where the radio station can be heard, and find its radius.

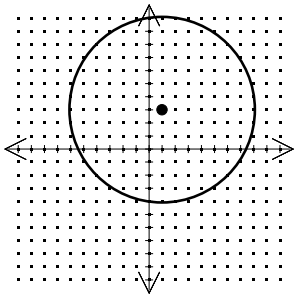


5. A certain low-watt radio station is able to be heard in a small part of the city. Write an equation for the boundary where the radio station can be heard, and find its radius.



NAME:_____

6. A small messenger company can only deliver in a small part of the city. Write an equation for the boundary where the company delivers, and find its radius.



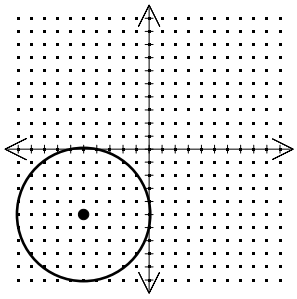
[A] $(x-1)^2+(y-3)^2=49$; r = 7 blocks

[B] $(x-1)^2+(y-3)^2=49$; r = 49 blocks

[C] $(x+3)^2+(y+1)^2=98$; r = 49 blocks

[D] $(x+3)^2+(y+1)^2=98$; r = 7 blocks

7. A small messenger company can only deliver in a small part of the city. Write an equation for the boundary where the company delivers, and find its radius.



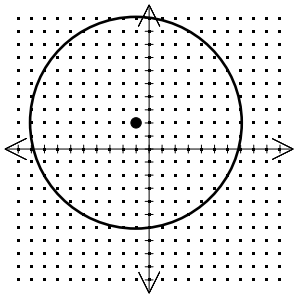
[A] $(x-5)^2+(y-5)^2=50$; r = 25 blocks

[B] $(x-5)^2+(y-5)^2=50$; r = 5 blocks

[C] $(x+5)^2+(y+5)^2=25$; r = 5 blocks

[D] $(x+5)^2+(y+5)^2=25$; r = 25 blocks

8. A small messenger company can only deliver in a small part of the city. Write an equation for the boundary where the company delivers, and find its radius.



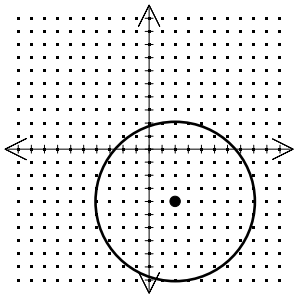
[A] $(x+2)^2+(y-1)^2=128$; r = 64 blocks

[B] $(x+2)^2+(y-1)^2=128$; r = 8 blocks

[C] $(x+1)^2+(y-2)^2=64$; r = 64 blocks

[D] $(x+1)^2+(y-2)^2=64$; r = 8 blocks

9. A small messenger company can only deliver in a small part of the city. Write an equation for the boundary where the company delivers, and find its radius.



[A] $(x-2)^2+(y+4)^2=36$; r = 6 blocks

[B] $(x-2)^2+(y+4)^2=36$; r = 36 blocks

[C] $(x-4)^2+(y+2)^2=72$; r = 36 blocks

[D] $(x-4)^2+(y+2)^2=72$; r = 6 blocks

[1] $(x+1)^2+(y-6)^2=16$; radius = 4 blocks

[2] $(x+3)^2+(y+3)^2=49$; radius = 7 blocks

[3] $(x+6)^2+(y-2)^2=16$; radius = 4 blocks

[4] $(x-5)^2+(y+2)^2=25$; radius = 5 blocks

[5] $(x-1)^2+(y+1)^2=81$; radius = 9 blocks

[6] A

[7] C

[8] D

[9] A