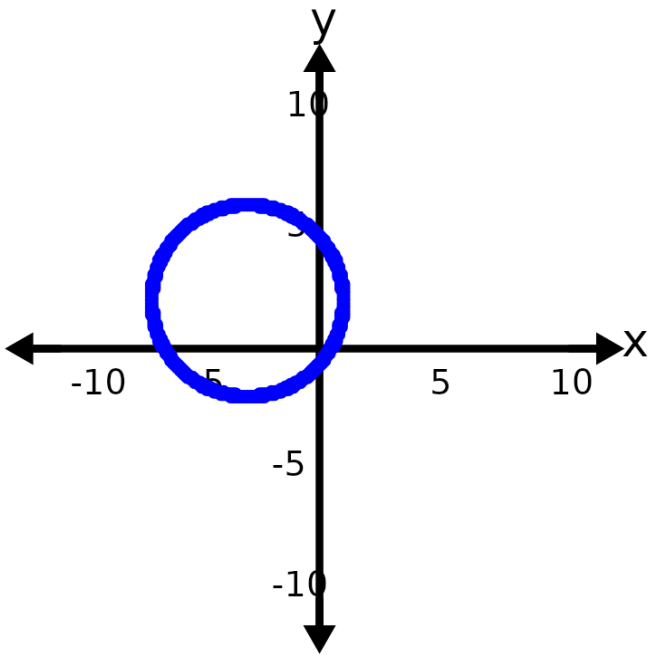
Name

Graphing Circles

1 Which center coordinate is correct for this graph?



A

$C = (-3, 4)$

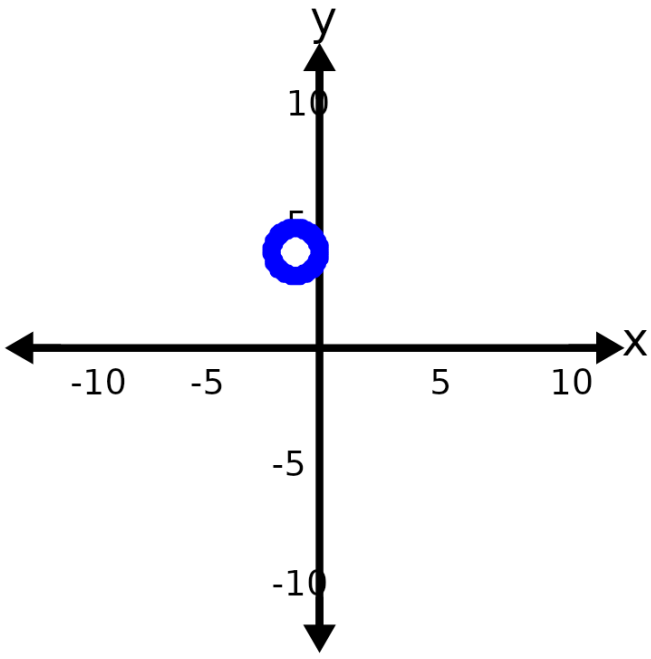
B

$C = (2, -3)$

C

$C = (-3, 2)$

2 Which radius is correct for this graph?



A

$r = 1$

B

$r = 8$

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3 What would the graph of this equation look like?

$$(x-h)^2+(y-k)^2=r^2$$

A A circle with center at (k,h) and radius r

B A circle with center at (r,k) and radius h

C A circle with center at (h,k) and radius r

4 What does the variable 'k' signify in this formula?

$$(x-h)^2+(y-k)^2=r^2$$

$$k=?$$

A The radius of the circle

B The y-coordinate of the center

5 What would the center coordinate of this circle graph be?

$$(x+1)^2+(y+5)^2=4^2$$

A $C=(-1,4)$

B $C=(-5,-1)$

C $C=(-1,-5)$

6 What would the radius of this circle graph be?

$$(x-5)^2+(y+6)^2=4^2$$

A $r=4$

B $r=16$

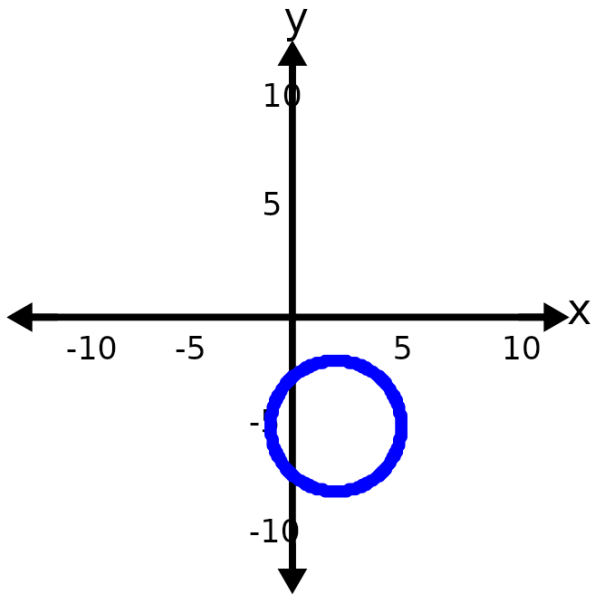
C $r=5$

D $r=6$

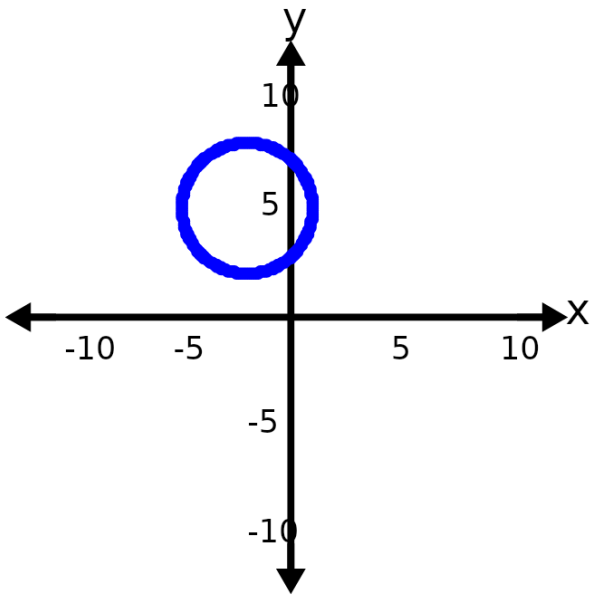
7 Which graph shows this correctly?

$$(x-2)^2+(y+5)^2=3^2$$

A



B



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8 Which equation would have this center coordinate and radius?

$$C = (-5, 0)$$
$$r = 4$$

A $(x-5)^2 + (y)^2 = 4^2$

B $(x+5)^2 + (y)^2 = 4^2$

9 Which equation would have this center coordinate?

$$C = (-4, -1)$$

A $(x+4)^2 + (y+1)^2 = 1^2$

B $(x+4)^2 + (y-1)^2 = 1^2$

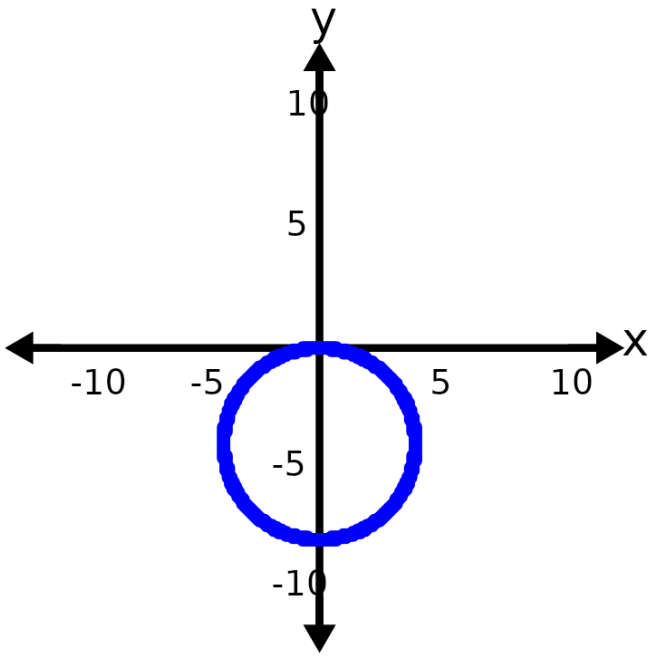
10 Which equation would have this radius?

$$r = 5$$

A $(x+1)^2 + (y+5)^2 = 5^2$

B $(x+1)^2 + (y-5)^2 = 1^2$

11 Which equation would create this graph?



A $(x)^2 + (y-4)^2 = 4^2$

B $(x)^2 + (y+4)^2 = 4^2$