



Identify the centre and radius from a circle equation

1

What does the variable 'h' signify in this formula?

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

A The x-coordinate of the center

B The y-coordinate of the center

2

What would the graph of this equation look like?

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

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

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

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

3

What would the radius of this circle graph be?

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

A

$$r = 5$$

B

$$r = 1$$

4

What would the center coordinate of this circle graph be?

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

A

$$C = (4, 1)$$

B

$$C = (-2, 4)$$

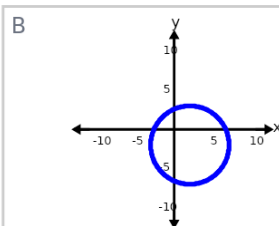
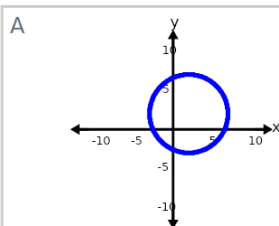
C

$$C = (4, -2)$$

5

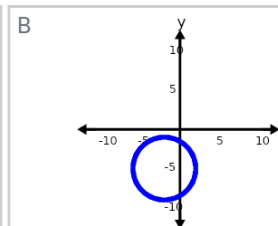
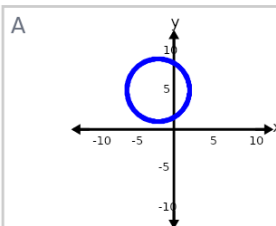
Which graph shows this correctly?

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

**6**

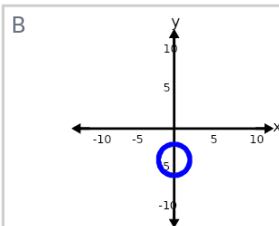
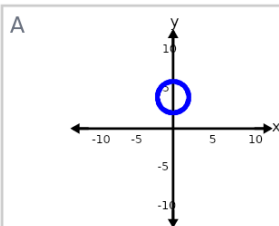
Which graph shows this correctly?

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

**7**

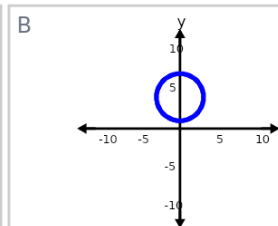
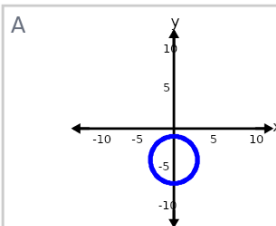
Which graph shows this correctly?

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

**8**

Which graph shows this correctly?

$$(x)^2 + (y - 4)^2 = 3^2$$



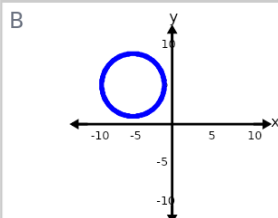
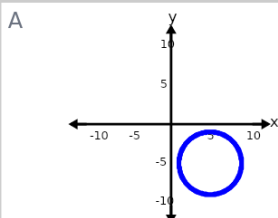


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9

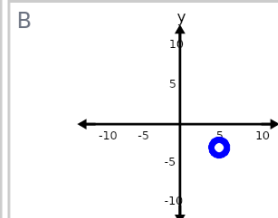
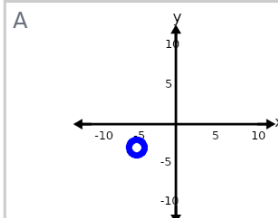
Which graph shows this correctly?

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

**10**

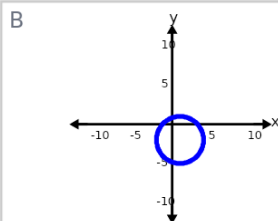
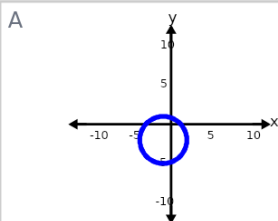
Which graph shows this correctly?

$$(x - 5)^2 + (y + 3)^2 = 1^2$$

**11**

Which graph shows this correctly?

$$(x - 1)^2 + (y + 2)^2 = 3^2$$

**12**

Which graph shows this correctly?

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

