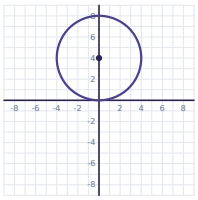
Equations of Circles · 1

Write the equation of the circle with center (0, 4) and radius 4.



Equations of Circles · 2

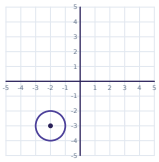
Find the center of the circle $(x - 2)^2 + (y + 3)^2 = 1$.

Equations of Circles · 3

Find the radius of the circle $(x - 4)^2 + (y - 4)^2 = 9$.

Equations of Circles · 4

Write the equation of the circle with center (-2, -3) and radius 1.



Equations of Circles · 5

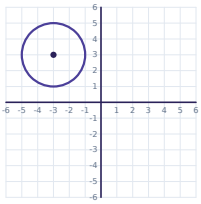
Find the center of the circle $(x + 3)^2 + (y + 1)^2 = 9$.

Equations of Circles · 6

Find the radius of the circle $(x + 1)^2 + y^2 = 16$.

Equations of Circles · 7

Write the equation of the circle with center (-3, 3) and radius 2.



Equations of Circles · 8

Find the center of the circle $(x + 1)^2 + (y - 4)^2 = 4$.

Equations of Circles · 2

ANSWER

$(2, -3)$

Equations of Circles · 1

ANSWER

$x^2 + (y - 4)^2 = 16$

Equations of Circles · 4

ANSWER

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

Equations of Circles · 3

ANSWER

3

Equations of Circles · 6

ANSWER

4

Equations of Circles · 5

ANSWER

$(-3, -1)$

Equations of Circles · 8

ANSWER

$(-1, 4)$

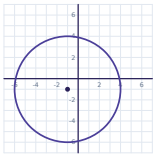
Equations of Circles · 7

ANSWER

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

Equations of Circles · 9

Write the equation of the circle with center (-1, -1) and radius 5.



Equations of Circles · 10

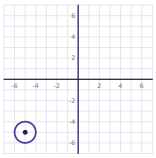
Find the center of the circle $(x - 4)^2 + (y - 1)^2 = 25$.

Equations of Circles · 11

Find the radius of the circle $(x + 3)^2 + y^2 = 1$.

Equations of Circles · 12

Write the equation of the circle with center (-5, -5) and radius 1.



Equations of Circles · 13

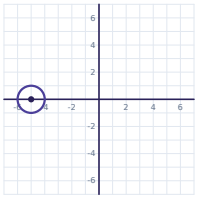
Find the center of the circle $(x - 3)^2 + (y + 4)^2 = 9$.

Equations of Circles · 14

Find the radius of the circle $(x + 2)^2 + (y + 2)^2 = 4$.

Equations of Circles · 15

Write the equation of the circle with center (-5, 0) and radius 1.



Equations of Circles · 16

Find the center of the circle $x^2 + (y + 4)^2 = 4$.

Equations of Circles · 10

ANSWER

$(4, 1)$

Equations of Circles · 9

ANSWER

$(x + 1)^2 + (y + 1)^2 = 25$

Equations of Circles · 12

ANSWER

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

Equations of Circles · 11

ANSWER

1

Equations of Circles · 14

ANSWER

2

Equations of Circles · 13

ANSWER

$(3, -4)$

Equations of Circles · 16

ANSWER

$(0, -4)$

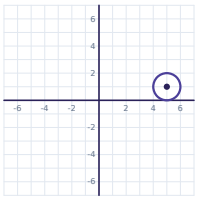
Equations of Circles · 15

ANSWER

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

Equations of Circles · 17

Write the equation of the circle with center (5, 1) and radius 1.

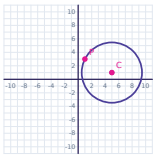


Equations of Circles · 18

Find the center of the circle $(x - 5)^2 + (y + 5)^2 = 36$.

Equations of Circles · 19

A circle has center (5, 1) and passes through the point (1, 3). Write its equation.

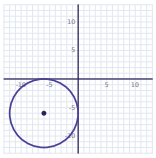


Equations of Circles · 20

Find the radius of the circle $(x - 5)^2 + (y + 6)^2 = 16$.

Equations of Circles · 21

Write the equation of the circle with center (-6, -6) and radius 6.

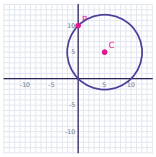


Equations of Circles · 22

Find the center of the circle $(x - 3)^2 + (y - 6)^2 = 4$.

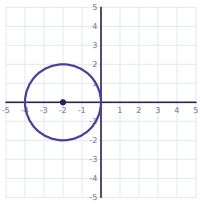
Equations of Circles · 23

A circle has center (5, 5) and passes through the point (0, 10). Write its equation.



Equations of Circles · 24

Write the equation of the circle with center (-2, 0) and radius 2.



Equations of Circles · 18

ANSWER

$(5, -5)$

Equations of Circles · 17

ANSWER

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

Equations of Circles · 20

ANSWER

4

Equations of Circles · 19

ANSWER

$(x - 5)^2 + (y - 1)^2 = 20$

Equations of Circles · 22

ANSWER

$(3, 6)$

Equations of Circles · 21

ANSWER

$(x + 6)^2 + (y + 6)^2 = 36$

Equations of Circles · 24

ANSWER

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

Equations of Circles · 23

ANSWER

$(x - 5)^2 + (y - 5)^2 = 50$