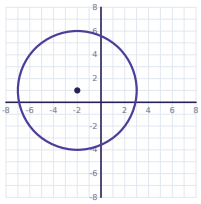
Equations of Circles · 1

Write the equation of the circle with center (-2, 1) and radius 5.

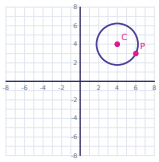


Equations of Circles · 2

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

Equations of Circles · 3

A circle has center (4, 4) and passes through the point (6, 3). Write its equation.

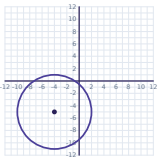


Equations of Circles · 4

Find the radius of the circle $(x + 3)^2 + (y + 7)^2 = 1$.

Equations of Circles · 5

Write the equation of the circle with center (-4, -5) and radius 6.

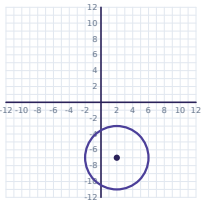


Equations of Circles · 6

Find the center of the circle $(x + 3)^2 + (y - 5)^2 = 36$.

Equations of Circles · 7

Write the equation of the circle with center (2, -7) and radius 4.



Equations of Circles · 8

Find the center of the circle $(x - 4)^2 + (y + 7)^2 = 9$.

Equations of Circles · 2

ANSWER

$(4, 4)$

Equations of Circles · 1

ANSWER

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

Equations of Circles · 4

ANSWER

1

Equations of Circles · 3

ANSWER

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

Equations of Circles · 6

ANSWER

$(-3, 5)$

Equations of Circles · 5

ANSWER

$(x + 4)^2 + (y + 5)^2 = 36$

Equations of Circles · 8

ANSWER

$(4, -7)$

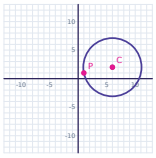
Equations of Circles · 7

ANSWER

$(x - 2)^2 + (y + 7)^2 = 16$

Equations of Circles · 9

A circle has center (6, 2) and passes through the point (1, 1). Write its equation.

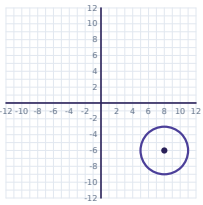


Equations of Circles · 10

Find the radius of the circle $(x - 8)^2 + (y + 7)^2 = 36$.

Equations of Circles · 11

Write the equation of the circle with center (8, -6) and radius 3.

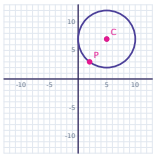


Equations of Circles · 12

Find the center of the circle $(x - 7)^2 + (y + 1)^2 = 16$.

Equations of Circles · 13

A circle has center (5, 7) and passes through the point (2, 3). Write its equation.

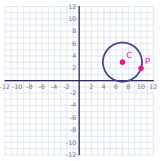


Equations of Circles · 14

Find the center of the circle $x^2 + y^2 - 6x - 10y + 33 = 0$.

Equations of Circles · 15

A circle has center (7, 3) and passes through the point (10, 2). Write its equation.



Equations of Circles · 16

Find the radius of the circle $x^2 + y^2 + 4x - 2y + 1 = 0$.

Equations of Circles · 10

ANSWER

6

Equations of Circles · 9

ANSWER

$(x - 6)^2 + (y - 2)^2 = 26$

Equations of Circles · 12

ANSWER

(7, -1)

Equations of Circles · 11

ANSWER

$(x - 8)^2 + (y + 6)^2 = 9$

Equations of Circles · 14

ANSWER

(3, 5)

Equations of Circles · 13

ANSWER

$(x - 5)^2 + (y - 7)^2 = 25$

Equations of Circles · 16

ANSWER

2

Equations of Circles · 15

ANSWER

$(x - 7)^2 + (y - 3)^2 = 10$

Equations of Circles · 17

Find the radius of the circle $(x + 3)^2 + (y + 4)^2 = 30$.

Equations of Circles · 18

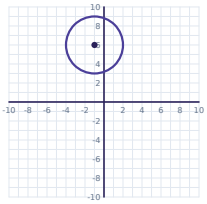
Find the center of the circle $x^2 + y^2 - 12x - 4y - 41 = 0$.

Equations of Circles · 19

Find the radius of the circle $x^2 + y^2 - 6x = 0$.

Equations of Circles · 20

Write the equation of the circle with center (-1, 6) and radius 3.

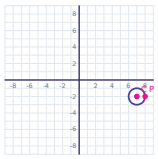


Equations of Circles · 21

Find the center of the circle $(x + 7)^2 + (y - 1)^2 = 25$.

Equations of Circles · 22

A circle has center (7, -2) and passes through the point (8, -2). Write its equation.

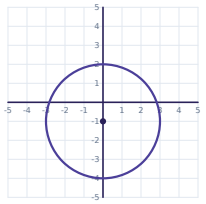


Equations of Circles · 23

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

Equations of Circles · 24

Write the equation of the circle with center (0, -1) and radius 3.



Equations of Circles · 18

ANSWER

$(6, 2)$

Equations of Circles · 17

ANSWER

$\sqrt{30}$

Equations of Circles · 20

ANSWER

$(x + 1)^2 + (y - 6)^2 = 9$

Equations of Circles · 19

ANSWER

3

Equations of Circles · 22

ANSWER

$(x - 7)^2 + (y + 2)^2 = 1$

Equations of Circles · 21

ANSWER

$(-7, 1)$

Equations of Circles · 24

ANSWER

$x^2 + (y + 1)^2 = 9$

Equations of Circles · 23

ANSWER

1