Equations of Circles · 1

Find the center of the circle $(x + 4)^2 + (y - 4)^2 = 1$. Write it as (h, k).

Equations of Circles · 2

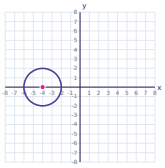
Write $x^2 + y^2 - 4x - 10y + 28 = 0$ in standard form by completing the square.

Equations of Circles · 3

Write the equation of the circle with center (-6, -2) and radius 1.

Equations of Circles · 4

Write the equation of the circle shown.



Equations of Circles · 5

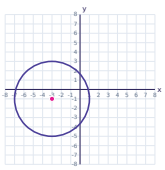
Find the radius of the circle $x^2 + y^2 - 10x + 8y + 37 = 0$.

Equations of Circles · 6

Write $x^2 + y^2 - 4x + 14y + 49 = 0$ in standard form by completing the square.

Equations of Circles · 7

Write the equation of the circle shown.



Equations of Circles · 8

Write the equation of the circle with center (6, -5) and radius 3.

Equations of Circles · 2

ANSWER

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

Equations of Circles · 1

ANSWER

$$(-4, 4)$$

Equations of Circles · 4

ANSWER

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

Equations of Circles · 3

ANSWER

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

Equations of Circles · 6

ANSWER

$$(x - 2)^2 + (y + 7)^2 = 4$$

Equations of Circles · 5

ANSWER

$$2$$

Equations of Circles · 8

ANSWER

$$(x - 6)^2 + (y + 5)^2 = 9$$

Equations of Circles · 7

ANSWER

$$(x + 3)^2 + (y + 1)^2 = 16$$

Equations of Circles · 9

Find the center of the circle $(x - 6)^2 + (y + 1)^2 = 1$. Write it as (h, k).

Equations of Circles · 10

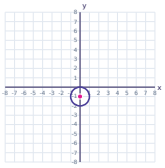
Write $x^2 + y^2 - 6x + 14y + 22 = 0$ in standard form by completing the square.

Equations of Circles · 11

Write the equation of the circle with center (-5, -4) and radius 9.

Equations of Circles · 12

Write the equation of the circle shown.



Equations of Circles · 13

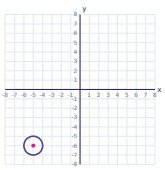
Find the radius of the circle $x^2 + y^2 + 10x - 14y + 38 = 0$.

Equations of Circles · 14

Write $x^2 + y^2 - 14x + 4y + 49 = 0$ in standard form by completing the square.

Equations of Circles · 15

Write the equation of the circle shown.



Equations of Circles · 16

Write the equation of the circle with center (-6, -5) and radius 1.

Equations of Circles · 10

ANSWER

$$(x - 3)^2 + (y + 7)^2 = 36$$

Equations of Circles · 9

ANSWER

$$(6, -1)$$

Equations of Circles · 12

ANSWER

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

Equations of Circles · 11

ANSWER

$$(x + 5)^2 + (y + 4)^2 = 81$$

Equations of Circles · 14

ANSWER

$$(x - 7)^2 + (y + 2)^2 = 4$$

Equations of Circles · 13

ANSWER

$$6$$

Equations of Circles · 16

ANSWER

$$(x + 6)^2 + (y + 5)^2 = 1$$

Equations of Circles · 15

ANSWER

$$(x + 5)^2 + (y + 6)^2 = 1$$

Equations of Circles · 17

Find the center of the circle $(x - 3)^2 + (y - 1)^2 = 9$. Write it as (h, k).

Equations of Circles · 18

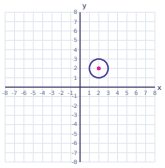
Write $x^2 + y^2 + 18x - 4y + 36 = 0$ in standard form by completing the square.

Equations of Circles · 19

Write the equation of the circle with center (2, -9) and radius 1.

Equations of Circles · 20

Write the equation of the circle shown.



Equations of Circles · 21

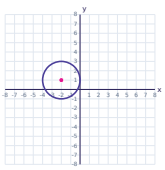
Find the radius of the circle $x^2 + y^2 + 4x - 10y + 4 = 0$.

Equations of Circles · 22

Write $x^2 + y^2 - 14x - 18y + 121 = 0$ in standard form by completing the square.

Equations of Circles · 23

Write the equation of the circle shown.



Equations of Circles · 24

Write the equation of the circle with center (-9, -8) and radius 10.

Equations of Circles · 18

ANSWER

$$(x + 9)^2 + (y - 2)^2 = 49$$

Equations of Circles · 17

ANSWER

$$(3, 1)$$

Equations of Circles · 20

ANSWER

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

Equations of Circles · 19

ANSWER

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

Equations of Circles · 22

ANSWER

$$(x - 7)^2 + (y - 9)^2 = 9$$

Equations of Circles · 21

ANSWER

$$5$$

Equations of Circles · 24

ANSWER

$$(x + 9)^2 + (y + 8)^2 = 100$$

Equations of Circles · 23

ANSWER

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