Find the center of the circle $(x - 7)^2 + (y + 6)^2 = 25$.

Find the length of the minor axis of the ellipse $x^2 / 64 + y^2 / 289 = 1$.

Find the center of the circle $(x + 2)^2 + (y - 1)^2 = 121$.

Find the length of the major axis of the ellipse $x^2 / 64 + y^2 / 289 = 1$.

Find the length of the major axis of the ellipse $x^2 / 144 + y^2 / 169 = 1$.

Find the length of the minor axis of the ellipse $x^2 / 169 + y^2 / 25 = 1$.

Find the radius of the circle $(x + 4)^2 + (y + 5)^2 = 121$.

Find the vertex with the larger x-coordinate of the ellipse $x^2 / 169 + y^2 / 25 = 1$.

Conic Sections: Circles, Ellipses & Hyperbolas · 2

ANSWER

16

Conic Sections: Circles, Ellipses & Hyperbolas · 1

ANSWER

(7, -6)

Conic Sections: Circles, Ellipses & Hyperbolas · 4

ANSWER

34

Conic Sections: Circles, Ellipses & Hyperbolas · 3

ANSWER

(-2, 1)

Conic Sections: Circles, Ellipses & Hyperbolas · 6

ANSWER

10

Conic Sections: Circles, Ellipses & Hyperbolas · 5

ANSWER

26

Conic Sections: Circles, Ellipses & Hyperbolas · 8

ANSWER

(13, 0)

Conic Sections: Circles, Ellipses & Hyperbolas · 7

ANSWER

11

Conic Sections: Circles, Ellipses & Hyperbolas · 9

Find the center of the circle $(x - 7)^2 + (y + 8)^2 = 16$.

Conic Sections: Circles, Ellipses & Hyperbolas · 10

Find the center of the ellipse $(x + 2)^2 / 9 + (y - 1)^2 / 25 = 1$.

Conic Sections: Circles, Ellipses & Hyperbolas · 11

Find the radius of the circle $(x - 8)^2 + (y - 6)^2 = 9$.

Conic Sections: Circles, Ellipses & Hyperbolas · 12

Find the length of the major axis of the ellipse $(x - 1)^2 / 100 + (y + 2)^2 / 64 = 1$.

Conic Sections: Circles, Ellipses & Hyperbolas · 13

Find the length of the major axis of the ellipse $(x + 3)^2 / 169 + (y - 6)^2 / 25 = 1$.

Conic Sections: Circles, Ellipses & Hyperbolas · 14

Find the center of the ellipse $(x - 1)^2 / 9 + (y + 3)^2 / 25 = 1$.

Conic Sections: Circles, Ellipses & Hyperbolas · 15

Find the radius of the circle $(x - 3)^2 + (y + 2)^2 = 49$.

Conic Sections: Circles, Ellipses & Hyperbolas · 16

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

Conic Sections: Circles, Ellipses & Hyperbolas · 10

ANSWER

(-2, 1)

Conic Sections: Circles, Ellipses & Hyperbolas · 9

ANSWER

(7, -8)

Conic Sections: Circles, Ellipses & Hyperbolas · 12

ANSWER

20

Conic Sections: Circles, Ellipses & Hyperbolas · 11

ANSWER

3

Conic Sections: Circles, Ellipses & Hyperbolas · 14

ANSWER

(1, -3)

Conic Sections: Circles, Ellipses & Hyperbolas · 13

ANSWER

26

Conic Sections: Circles, Ellipses & Hyperbolas · 16

ANSWER

3

Conic Sections: Circles, Ellipses & Hyperbolas · 15

ANSWER

7

Find the center of the circle $(x + 3)^2 + (y + 8)^2 = 16$.

Find c, the distance from the center to each focus of the ellipse $(x - 3)^2 / 144 + (y + 5)^2 / 169 = 1$.

Find the center of the hyperbola $(y - 3)^2 / 64 - (x - 4)^2 / 225 = 1$.

Complete the square to find the radius of the circle $x^2 + 2x + y^2 + 14y + 41 = 0$.

Find c, the distance from the center to each focus of the hyperbola $(y - 3)^2 / 36 - (x - 3)^2 / 64 = 1$.

Complete the square to find the radius of the circle $x^2 - 10x + y^2 - 14y + 38 = 0$.

Find the center of the circle $(x + 7)^2 + (y - 1)^2 = 121$.

Find the center of the ellipse $(x - 1)^2 / 25 + (y - 1)^2 / 16 = 1$.

Conic Sections: Circles, Ellipses & Hyperbolas · 18

ANSWER

5

Conic Sections: Circles, Ellipses & Hyperbolas · 17

ANSWER

(-3, -8)

Conic Sections: Circles, Ellipses & Hyperbolas · 20

ANSWER

3

Conic Sections: Circles, Ellipses & Hyperbolas · 19

ANSWER

(4, 3)

Conic Sections: Circles, Ellipses & Hyperbolas · 22

ANSWER

6

Conic Sections: Circles, Ellipses & Hyperbolas · 21

ANSWER

10

Conic Sections: Circles, Ellipses & Hyperbolas · 24

ANSWER

(1, 1)

Conic Sections: Circles, Ellipses & Hyperbolas · 23

ANSWER

(-7, 1)