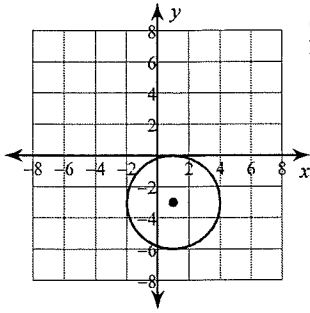


Answers to Circles: Naming: Parts to Equation and Equation to Parts

- | | | | |
|---|--|---|--|
| 1) Center: $(7, 5)$
Radius: 4 | 2) Center: $\left(\frac{17}{2}, \sqrt{237}\right)$
Radius: 1 | 3) Center: $(-2, -1)$
Radius: $2\sqrt{67}$ | 4) Center: $(-14, -4)$
Radius: 3 |
| 5) Center: $(-7, 5)$
Radius: $3\sqrt{11}$ | 6) Center: $(-11, 3)$
Radius: 5 | 7) Center: $(-6, -10)$
Radius: 9 | 8) Center: $(-14, 12)$
Radius: 3 |
| 9) Center: $(3, 5)$
Radius: 3 | 10) Center: $(-6, 16)$
Radius: 3 | 11) Center: $(-6, 1)$
Radius: 6 | 12) Center: $\left(5, -\frac{25}{2}\right)$
Radius: 5 |
| 13) Center: $(-8, -10)$
Radius: 3 | 14) Center: $\left(2\sqrt{31}, \frac{23}{2}\right)$
Radius: 6 | 15) $(x + 13)^2 + (y + 3)^2 = 25$ | |
| 16) $x^2 + (y + 2)^2 = 25$ | 17) $x^2 + (y + 6)^2 = 36$ | 18) $(x + 9)^2 + (y - 11)^2 = 25$ | |
| 19) $(x + 3)^2 + (y + 1)^2 = 16$ | 20) $(x - 10)^2 + (y - 13)^2 = 7$ | 21) $(x - 11)^2 + (y - 6)^2 = 1$ | |
| 22) $(x - 8)^2 + (y - 16)^2 = 8$ | 23) $(x - 14)^2 + (y - 7)^2 = 9$ | 24) $(x - 13)^2 + (y - 4)^2 = 4$ | |
| 25) $(x + 16)^2 + (y - 10)^2 = 7$ | 26) $(x + 2)^2 + (y - 4)^2 = 64$ | 27) $(x - 15)^2 + (y - 13)^2 = 9$ | |
| 28) $\left(x - \frac{25}{2}\right)^2 + (y - 4\sqrt{11})^2 = 14$ | | | |

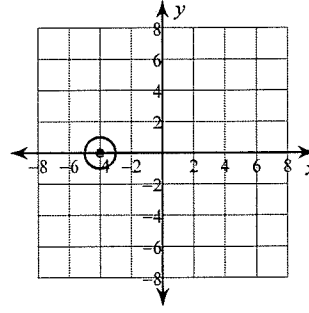
Answers to Circles: Graphing

1)



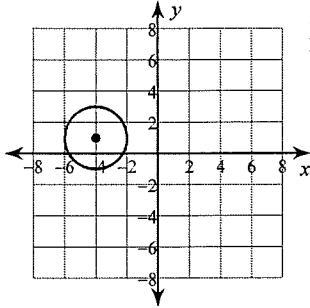
Center: $(1, -3)$
Radius: 3

2)



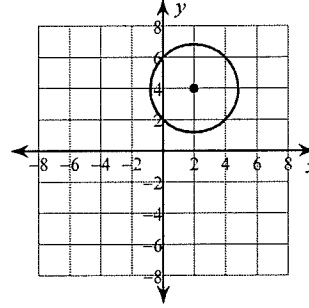
Center: $(-4, 0)$
Radius: 1

3)



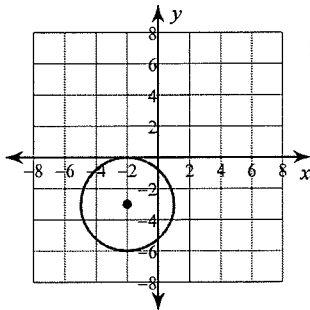
Center: $(-4, 1)$
Radius: 2

4)



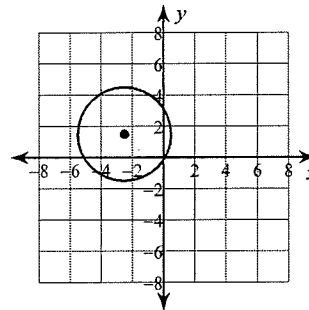
Center: $(2, 4)$
Radius: $2\sqrt{2}$

5)



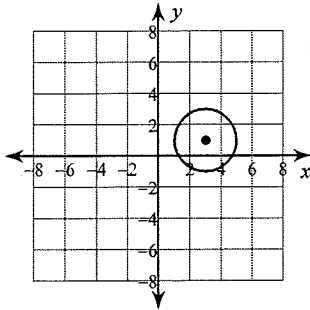
Center: $(-2, -3)$
Radius: 3

6)



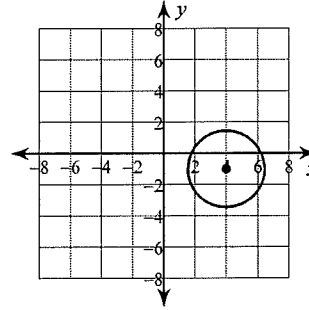
Center: $(-\frac{5}{2}, \frac{3}{2})$
Radius: 3

7)



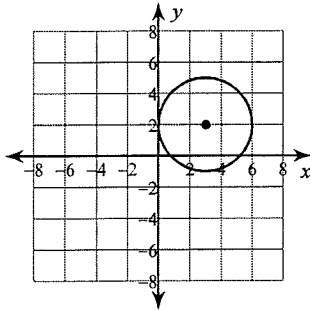
Center: $(3, 1)$
Radius: 2

8)



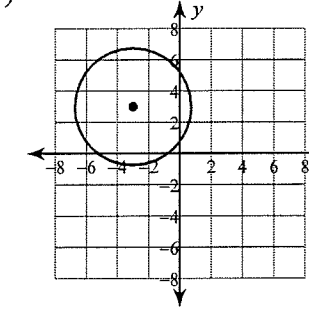
Center: $(4, -1)$
Radius: $\sqrt{6}$

9)



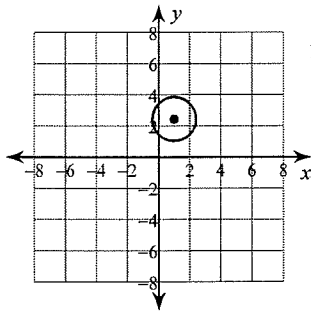
Center: $(3, 2)$
Radius: 3

10)



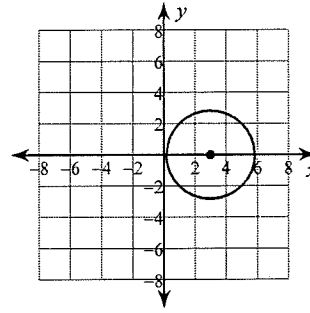
Center: $(-3, 3)$
Radius: $\sqrt{14}$

11)



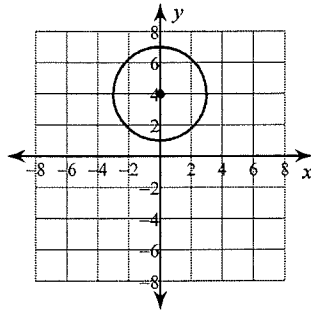
Center: $(1, \sqrt{6})$
 Radius: $\sqrt{2}$

12)



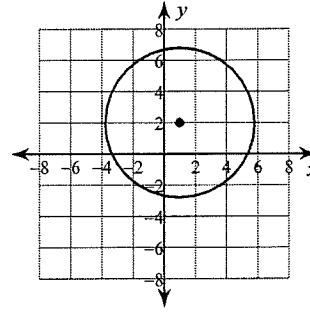
Center: $(3, 0)$
 Radius: $2\sqrt{2}$

13)



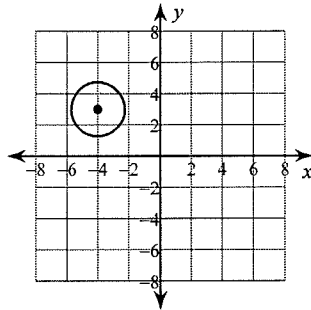
Center: $(0, 4)$
 Radius: 3

14)



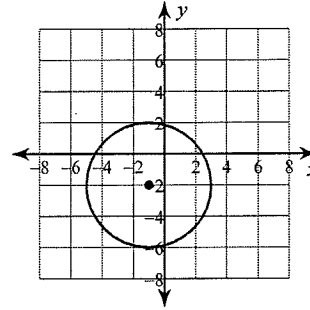
Center: $(1, 2)$
 Radius: $\sqrt{23}$

15)



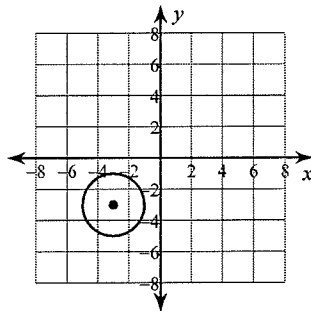
Center: $(-4, 3)$
 Radius: $\sqrt{3}$

16)



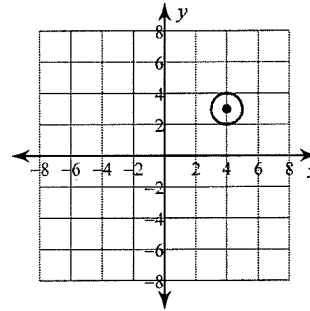
Center: $(-1, -2)$
 Radius: 4

17)



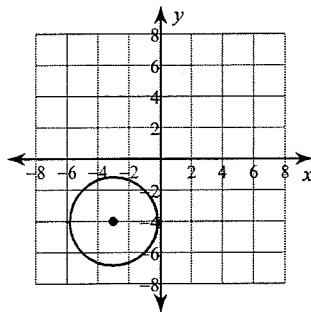
Center: $(-3, -3)$
 Radius: 2

18)



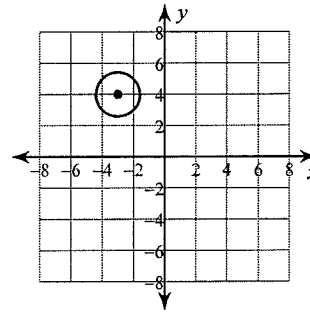
Center: $(4, 3)$
 Radius: 1

19)



Center: $(-3, -4)$
 Radius: $2\sqrt{2}$

20)

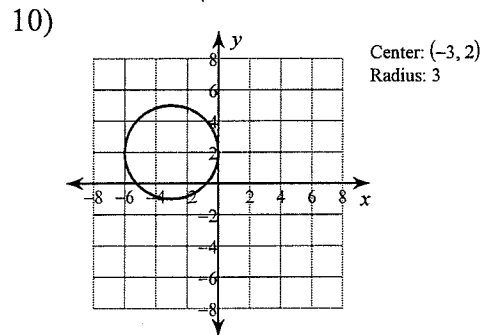
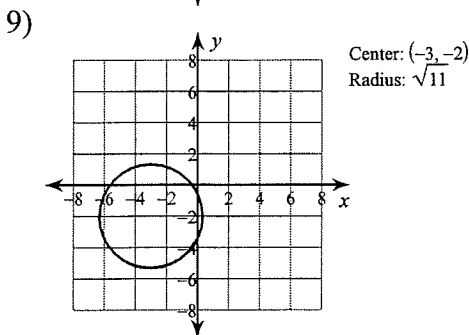
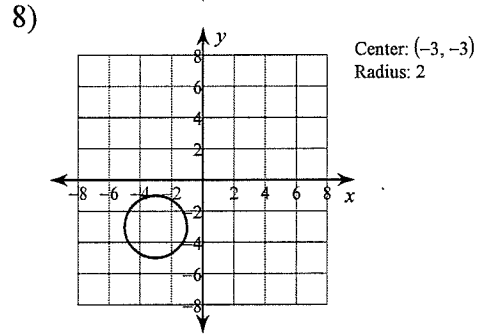
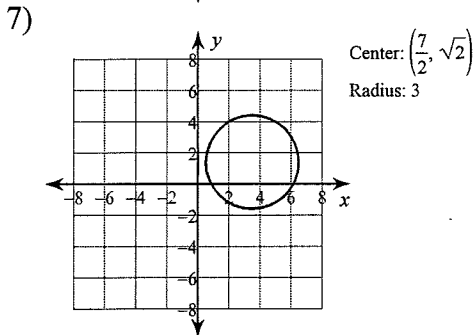
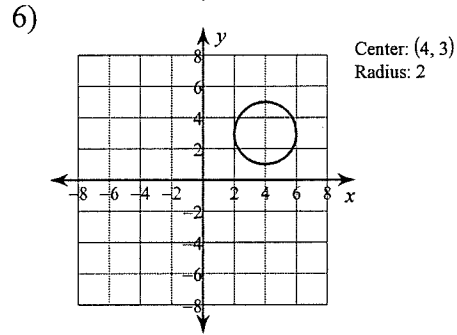
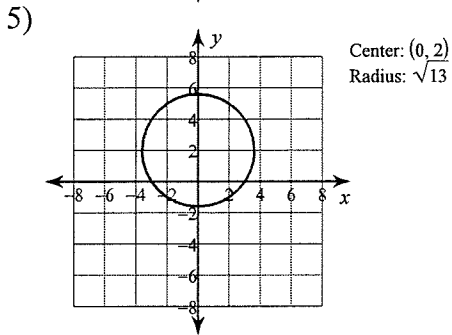
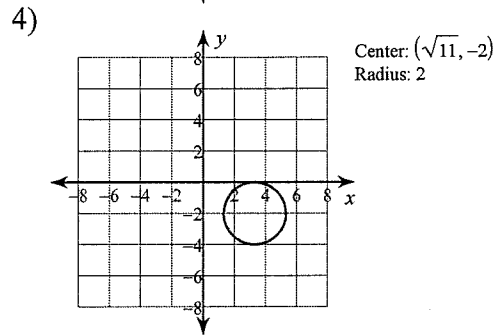
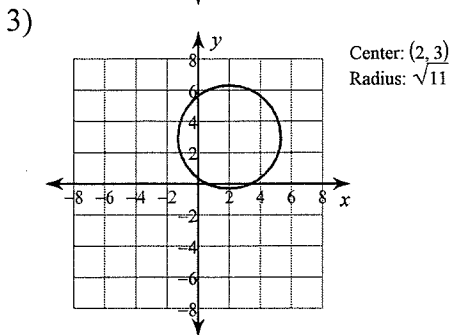
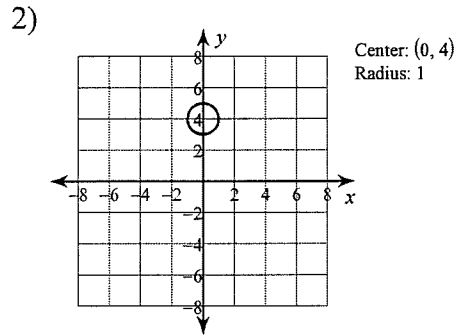
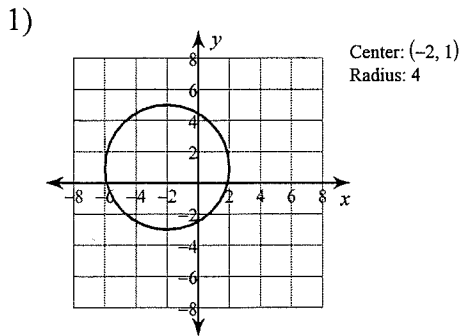


Center: $(-3, 4)$
 Radius: $\sqrt{2}$

Answers to Standard to Conic: Writing the Circle Formulas

- 1) $x^2 + y^2 - 32x + 26y + 416 = 0$ 2) $x^2 + y^2 + 28x - 30y + 420 = 0$ 3) $x^2 + y^2 + 28x + 16y + 235 = 0$
4) $x^2 + y^2 + 2x + 20y + 52 = 0$ 5) $x^2 + y^2 + 16x + 20y + 139 = 0$ 6) $x^2 + y^2 + 2x + 30y + 225 = 0$
7) $x^2 + y^2 - 26y + 165 = 0$ 8) $x^2 + y^2 - 28x + 6y + 201 = 0$ 9) $x^2 + y^2 + 14x + 28y + 238 = 0$
10) $x^2 + y^2 + 8x + 12y + 27 = 0$ 11) $x^2 + y^2 - 26x + 16y + 208 = 0$
12) $x^2 + y^2 + 10x + 14y + 38 = 0$

Answers to Circle Review



11) $(x + 13)^2 + (y - 11)^2 = 16$

12) $(x - 2)^2 + (y - 15)^2 = 4$

13) $(x + 13)^2 + (y + 10)^2 = 4$

14) $(x + 14)^2 + (y - 3)^2 = 9$

15) $(x - 9)^2 + (y - 11)^2 = 16$

16) $(x - 13)^2 + (y + 6)^2 = 25$

17) $(x - 12)^2 + (y - 3)^2 = 16$

18) $(x + 1)^2 + (y - 9)^2 = 36$

19) $(x + 16)^2 + (y + 10)^2 = 4$

20) $(x + 15)^2 + (y - 4)^2 = 9$

21) $x^2 + y^2 + 18x + 28y + 252 = 0$

22) $x^2 + y^2 + 24x - 26y + 311 = 0$

23) $x^2 + y^2 - 10x - 30y + 249 = 0$

24) $x^2 + y^2 + 8x - 24y + 151 = 0$ 25) $x^2 + y^2 - 144 = 0$ 26) $x^2 + y^2 - 6x - 2y - 144 = 0$
27) $x^2 + y^2 + 18x + 6y + 65 = 0$ 28) $x^2 + y^2 - 24x + 18y + 215 = 0$
29) $x^2 + y^2 - 4x + 26y + 161 = 0$ 30) $x^2 + y^2 + 12x - 16y - 17 = 0$