

17.2 Circles Practice

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Use the information provided to write the standard form equation of each circle.

1) Center: $(-2, 10)$
Radius: 1

2) Center: $(-12, -9)$
Radius: 5

3) Center: $(9, -16)$
Radius: 1

4) Center: $(-15, 3)$
Radius: 3

5) Center: $(-5, -12)$
Radius: $\sqrt{23}$

6) Center: $(-16, 15)$
Radius: 1

7) Center: $(5, 8)$
Radius: 7

8) Center: $(0, -2)$
Radius: 1

9) Center: $(11, 5)$
Radius: $\sqrt{19}$

10) Center: $(7, -4)$
Radius: 3

11) Center: $(0, 0)$
Radius: 13

12) Center: $(0, 0)$
Radius: 9

13) Center: $(0, 0)$
Radius: 17

14) $x^2 + 22y = -y^2 - 12x - 153$

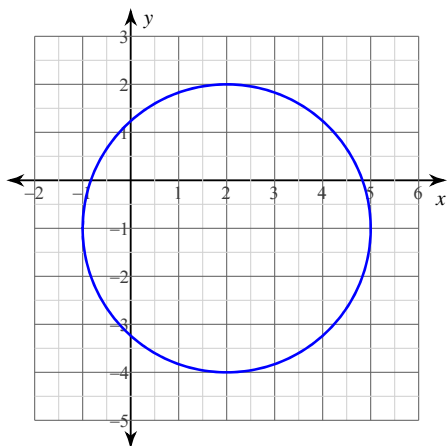
15) $-7 + y^2 + x^2 = 14y + 8x$

16) $x^2 + 16x = -39 - y^2$

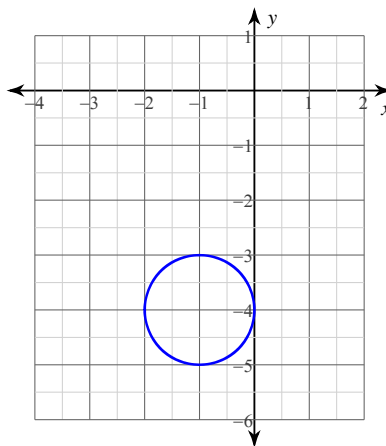
$$17) x^2 + 412 = -y^2 + 30x + 28y$$

$$18) x^2 + y^2 - 12x + 10y - 108 = 0$$

19)



20)



21)

