

Writing Equations of Circles

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

1) $8x + x^2 - 2y = 64 - y^2$

2) $137 + 6y = -y^2 - x^2 - 24x$

3) $x^2 + y^2 + 14x - 12y + 4 = 0$

4) $y^2 + 2x + x^2 = 24y - 120$

5) $x^2 + 2x + y^2 = 55 + 10y$

6) $8x + 32y + y^2 = -263 - x^2$

7.) $x^2 + y^2 + 14x + 12y + 76 = 0$

8.) $x^2 + y^2 - 10x + 20y + 61 = 0$

9.) $x^2 + y^2 + 14x - 8y + 29 = 0$

10.) $4y + y^2 = -28x - x^2 - 191$

11.) $364 + 28y + y^2 + x^2 = -26x$

12.) $x^2 + y^2 + 24x + 10y + 160 = 0$

13.) $-6x = -x^2 + 32y - 264 - y^2$

14.) $-6x + x^2 = 97 + 10y - y^2$