Changing Forms Eq of Circles

Date_____ Period____

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

1) $x^2 + y^2 - 26x + 14y + 214 = 0$

2) $x^2 + y^2 - 14x + 20y + 133 = 0$

3) $x^2 + y^2 - 4x - 30y + 213 = 0$

4) $x^2 + y^2 + 2x - 14y - 84 = 0$

5) $x^2 + y^2 + 20x - 22y + 212 = 0$

6) $x^2 + y^2 + 28x - 2y + 196 = 0$

7) $x^2 + y^2 - 14x + 8y - 33 = 0$

8) $x^2 + y^2 + 22x - 28y + 308 = 0$

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

9) $(x + 2)^2 + (y - 8)^2 = 1$

10) $(x - 10)^2 + (y - 8)^2 = 64$

11) $(x + 6)^2 + (y + 3)^2 = 16$

12) $(x - 7)^2 + (y - 4)^2 = 31$