

Name _____ Date _____

Write the Equations in Standard Form.

Circles

1) $x^2 + y^2 - 6x + 8y - 24 = 0$

2) $x^2 + y^2 - 10x - 6y + 18 = 0$

3) $x^2 + y^2 - 14x + 4y - 11 = 0$

4) $x^2 + y^2 + 16x - 8y + 16 = 0$

Ellipses

5) $9x^2 + 4y^2 + 8y + 18x - 59 = 0$

6) $4x^2 + y^2 - 48x - 14y + 185 = 0$

7) $9x^2 + 4y^2 - 36x - 24y + 36 = 0$

8) $x^2 + 4y^2 - 10x + 16y + 37 = 0$