

## Writing Conics in Standard Form

1. Classify
2. Group your  $x$ 's and  $y$ 's together. Move constant to other side.
3. Complete the square for  $x$  and  $y$ .

$$x^2 + y^2 - 6x + 4y + 9 = 0$$

$$-4x^2 + y^2 + 16x - 2y - 31 = 0$$

$$4x^2 + 9y^2 + 24x + 18y + 9 = 0$$

$$x^2 + 8x + 2y + 14 = 0$$