WRITE THE QUADRATIC IN VERTEX FORM

- Move the constant
- Add $(b/2)^2$ to each side
- Factor the perfect square trinomial
- Write in the form $y = a(x h)^2 + k$

$$y = x^{2} - 4x - 1$$

$$y + 1 = x^{2} - 4x$$

$$y + 1 + 4 = x^{2} - 4x + 4$$

$$y + 5 = (x - 2)^{2}$$

$$y = (x - 2)^{2} - 5$$

Now let's Graph!