

• Vertex form

$$x^2 + 16x + 71$$

$$x^2 + 16x + 64 = -71$$

$$+ 64$$

$$x^2 + 16x + 64 = -7$$

$$y = (x + 8)^2 + 7$$

$$y = x^2 - 2x - 5$$

$$x^2 - 2x = 5$$

$$x^2 - 2x + 1 = 6$$

yy

7/10/2019

$$y = (x - 1)^2 - 6$$

$$y = -x^2 - 14x - 59$$

$$y = x^2 + 14x + 59$$

$$y = x^2 + 14x = -59$$

$$x^2 + 14x + 49 = +49$$

$$y = (x + 7)^2 + 10$$

$$y = (x + 7)^2 + 10$$