

Notes for the margin (steps for 'completing the square')

DO NOT COPY

① get your quadratic into standard form ($ax^2 + bx + c = 0$) and write down a, b, and c.

② get the constant term c, to the other side of the equation ($ax^2 + bx = -c$)

③ calculate $\left(\frac{b}{2a}\right)^2$ and add it to both sides of

④ factor the left side (use the shortcut!!!), then solve normally.

11/28/12 Warm Up

Solve by completing the square

① $x^2 + 6x + 13 = 0$

② $y^2 - 14y - 1 = 0$