

# Section 8.1: Completing

Monday, December 02, 2013  
10:12 AM

Completing the square

divide by 2  
and square it

$$x^2 + \textcircled{6}x + \underline{9} = (x+3)^2$$

$$x^2 - 10x + \underline{25} = (x-5)^2$$

$$y^2 + 3y + \underline{\frac{9}{4}} = (y + \frac{3}{2})^2$$

$$y^2 - y + \underline{\frac{1}{4}} = (y - \frac{1}{2})^2$$