



Fill In The Blanks...



Completing the Square ($x^2 + bx + c$)

Quadratic Expression	$\left(x + \frac{b}{2}\right)^2$	$\left(x + \frac{b}{2}\right)^2 - \left(\frac{b}{2}\right)^2$	$\pm c$	Completed Square
$x^2 + 10x$	$(x + 5)^2$	$(x + 5)^2 - 25$	$(x + 5)^2 - 25$	$(x + 5)^2 - 25$
$x^2 + 8x - 2$	$(x + 4)^2$	$(x + 4)^2 - 16$	$(x + 4)^2 - 16 - 2$	
$x^2 + 2x + 5$	$(x + 1)^2$	$(x + 1)^2 - 1$		
$x^2 + 4x + 7$	$(x + 2)^2$			
$x^2 + 6x - 11$				
$x^2 + 18x + 50$				
$x^2 - 12x$	$(x - 6)^2$	$(x - 6)^2 - 36$	$(x - 6)^2 - 36$	$(x - 6)^2 - 36$
$x^2 - 2x + 5$	$(x - 1)^2$	$(x - 1)^2 - 1$	$(x - 1)^2 - 1 + 5$	
$x^2 - 6x - 1$	$(x - 3)^2$	$(x - 3)^2 - 9$		
$x^2 - 8x + 16$	$(x - 4)^2$			
$x^2 - 4x + 5$				
$x^2 + 7x + 1$	$\left(x + \frac{7}{2}\right)^2$	$\left(x + \frac{7}{2}\right)^2 - \frac{49}{4}$	$\left(x + \frac{7}{2}\right)^2 - \frac{49}{4} + 1$	$\left(x + \frac{7}{2}\right)^2 - \frac{45}{4}$
$x^2 - 5x - 3$				
$x^2 + x + 6$				
$x^2 - 3x + 2$				
				$(x + 5)^2 - 7$
				$\left(x - \frac{3}{2}\right)^2 + \frac{3}{4}$