

## Quadratic Expressions and Equations

Factor trinomials of the form  $x^2 + bx + c = 0$

$x^2 + 7x + 10$	
$(x + 7)(x + 3)$	<input type="checkbox"/>
$(x - 9)(x + 4)$	<input type="checkbox"/>
$(x + 5)(x + 2)$	<input type="checkbox"/>

$x^2 - 17x - 60$	
$(x - 9)(x + 4)$	<input type="checkbox"/>
$(x - 20)(x + 3)$	<input type="checkbox"/>
$(x + 8)(x + 7)$	<input type="checkbox"/>

$n^2 + 6n - 16$	
$(n + 8)(n - 2)$	<input type="checkbox"/>
$(n - 7)(n + 2)$	<input type="checkbox"/>
$(n - 6)(n - 2)$	<input type="checkbox"/>

$m^2 - 41m + 400$	
$(m - 13)(m - 8)$	<input type="checkbox"/>
$(m - 25)(m - 16)$	<input type="checkbox"/>
$(m + 8)(m - 7)$	<input type="checkbox"/>

$x^2 + 14x + 13$	
$(x - 13)(x - 1)$	<input type="checkbox"/>
$(x + 13)(x + 1)$	<input type="checkbox"/>
$(x + 8)(x + 7)$	<input type="checkbox"/>

$x^2 + 2x - 48$	
$(x + 7)(x - 3)$	<input type="checkbox"/>
$(x - 9)(x + 4)$	<input type="checkbox"/>
$(x + 8)(x - 6)$	<input type="checkbox"/>

$$a^2 + 4a + 3$$

$$(a + 3)(a + 1) \quad \boxed{\phantom{000}}$$

$$(a - 4)(a - 1) \quad \boxed{\phantom{000}}$$

$$(a - 6)(a + 2) \quad \boxed{\phantom{000}}$$

$$y^2 - 9y + 20$$

$$(y + 10)(y + 2) \quad \boxed{\phantom{000}}$$

$$(y - 4)(y - 5) \quad \boxed{\phantom{000}}$$

$$(y - 20)(y - 1) \quad \boxed{\phantom{000}}$$