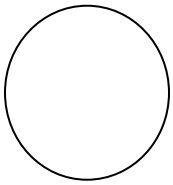
Factoring $x^2 + bx + c$



* Make a Chart and Check ALWAYS!

Ax^2	$Product\ of\ c$	$Sum\ of\ bx$

Factor each Binomial and check with Pundit Square

Ex1) $x^2 + 11x + 18$

Ex2) $a^2 - 7a + 10$

Ex3) $y^2 + 2y - 15$

Ex4) $w^2 + 6w - 16$

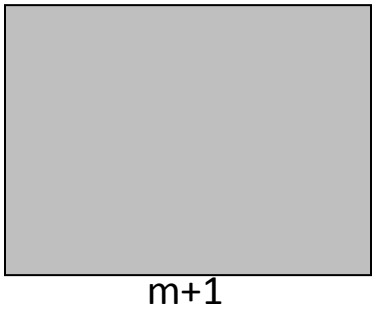
Ex5) $b^2 - 6n + 8 = 0$

Ex6) $y^2 - 15 = -2y$

Ex7) $g(x) = x^2 - 8x + 12$

Ex8) $(a + 6)a = -8$

Ex9)



Area = 20 sq units

Ex10) A rectangle with a length that is 1 more than its width, has an area of 20 sq units. What is the Length and Width?