

3.5a Factoring $x^2 + bx + c$

A trinomial is factorable if certain conditions are present. Consider the expansion of:

$$(x + 2)(x + 3)$$

Now break down these trinomials into factors...

ex. $x^2 + 5x + 6$

ex. $x^2 + 3x - 10$

***We're always looking for of that have a of

Try these examples

a) $x^2 + 10x + 21$

b) $x^2 - x - 20$

c) $x^2 - 11x + 28$

d) $x^2 + 5x - 6$