

## Video Notes Page

Expand and note the pattern:

$$(x + 6)(x + 3)$$

$$(x + 2)(x - 5)$$

Pattern: \_\_\_\_\_

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### Factoring Quadratic Trinomials (a = 1)

Factor using the **X-Factor** method:

$$x^2 + 3x - 28$$

$$x^2 + 14x + 48$$

$$x^2 - x - 20$$

### Factoring: You Have Options !

Factor using the shortcuts (GCF, Difference of Squares, Perfect Square Trinomial):

$$x^2 + 10x$$

$$x^2 - 16$$

$$x^2 + 8x + 16$$

Use the X-Factor Method to factor the 3 above. Rewrite each in  $x^2 + bx + c$  form first.

$$x^2 + 10x$$

$$x^2 - 16$$

$$x^2 + 8x + 16$$