


**Expand**

When you come across a product in which one or more of the factors is an expression itself (like a sum), you can "multiply out" the product. Or, you can choose individual terms within the whole expression to multiply.

This is called Expanding.



Highlight the factors you wish to multiply and click on the Expand button  in the palette.

$$\square (3x + 4)(x - 1)(2x + 5)$$

$$\triangle (3x + 4)(x - 1)(2x + 5) = (3x + 4)(2x^2 + 3x - 5) \quad \text{Expand}$$



That's about it for expanding.



**Now It's Your Turn...** Follow the directions below to get hands on experience.



1.

Expand the following expression

$$(-x + 4)(2x - 5)(3x - 1)$$



2.

Expand just the two middle terms in the expression

$$(-x + 4)(2x - 5)(x - 4)(3x - 1)$$