

FOIL

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$$\begin{array}{c} \text{First} \quad \text{Last} \\ \text{Outer} \quad \text{Inner} \end{array} \quad (x + 2)(x + 3)$$

.....

FOIL is $F + O + I + L$.

F is the first term in the first binomial multiplied by the first term in the second binomial.

O is the first term in the first binomial multiplied by the second term in the second binomial.

I is the second term in the first binomial multiplied by the first term in the second binomial.

L is the second term in the first binomial multiplied by the second term in the second binomial.