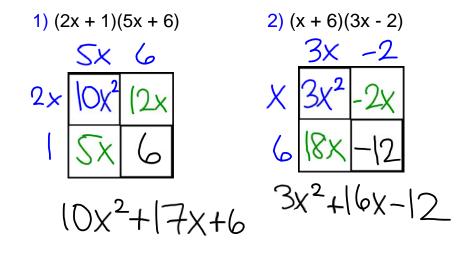


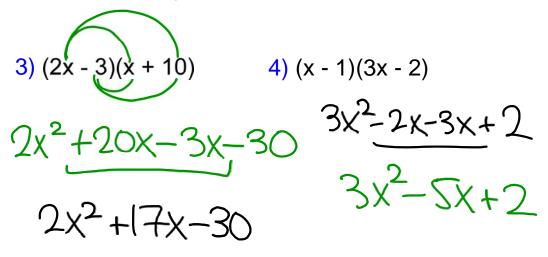
Explain how the result  $x^2 + 15x + 56$  is related to 756 determined in the warm up?

## Use the box method (area method to multiply the following binomials)



What other methods can you use to multiply polynomials?

Multiply the following and combine like terms.



## Multiplying Polynomials Day 1-40-41.notebook

What method would you use to multiply more complicated polynomials?

Multiply the following and combine like terms.

5) 
$$(x^{2} + 3x + 1)(x + 10)$$
  

$$X = \begin{cases} x^{2} - 3x & l \\ \hline x^{3} - 3x^{2} - l \\ \hline x^{3} - 3x^{2} - l \\ \hline x^{2} - 30x & l \\ \hline x^{3} + \frac{3}{3}x^{2} + \frac{3}{3}x + \frac{3}{3}x + \frac{3}{3}x^{2} + \frac{$$

Independent Practice Worksheet - Odds #23 bonus Exit Ticket Multiply  $(x - 1)(4x^2 + 4x - 1)$  and combine like terms.