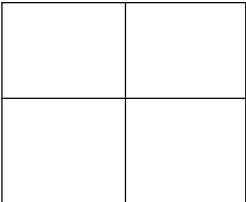
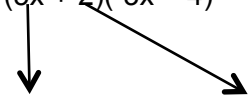


Main Idea/Questions	Notes/Examples	
<p>What is a polynomial?</p>	<p>Definition: a monomial or a sum or difference of more than one term</p> <p>Examples: $2x$, $(5x - 4)$, $(x^2 - 4x + 3)$</p>	
<p>What do you all ready know?</p>	<p>How to distribute.....multiply coefficients and add exponents if the bases are the same</p> <p>How to Combine Like Terms.....Add or Subtract the Coefficient, do NOTHING with the exponent</p>	
<p>Steps to multiplying</p> <p>Answers:</p> <p>1./2.</p> <p>_____</p>	<p style="text-align: center;">Box Method</p> <p>1st: Multiply to find the area of each square 2nd: Combine like terms 3rd: Write in Standard Form – Your first term will be x^2 and your last term will be a whole number.</p> <p>1. $(5x + 2)(-3x - 4)$</p> <div style="text-align: center;">  </div>	<p style="text-align: center;">Double Distributive</p> <p>1st – Distribute/multiply each term in the first polynomial to the second polynomial 2nd – combine like terms to simplify</p> <p>2. $(5x + 2)(-3x - 4)$</p> <div style="text-align: center;">  </div> <p>_____ $(-3x - 4)$ + _____ $(-3x - 4)$</p>
<p>Practice Answers:</p> <p>3.</p> <p>_____</p> <p>4.</p> <p>_____</p> <p>5.</p> <p>_____</p> <p>6.</p> <p>_____</p>	<p>Practice:</p> <p>3. $(2x - 1)(7x + 3)$</p> <p>_____ () + _____ ()</p> <p>4. $(x + 3)(x - 3)$</p> <p>5. $(2x - 1)^2$</p> <p>()()</p> <p>6. $(2x - 3)(4x^2 + x - 6)$</p>	

Multiplying Polynomials - Notes

7. What is the area of a rectangle with a length of $(x + 3)$ and a width of $(2x - 4)$?

1st: Write the formula that you need to use: $A =$

2nd: Substitute: $A = (\quad) (\quad)$

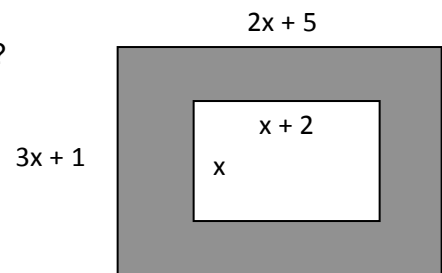
3rd: Distribute and Simplify: $A =$

Application:

7.

8.

8. Find the area of the shaded region?



Summary: