## SECTION D5: DISTRIBUTIVE PROPERTY

**Homework:** _____

**Learning Target(s):**

      D7.     Understanding of how to use the distributive property.

Distributive Property:     you _____ everything in the _____ by the term in _____

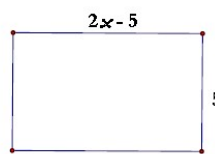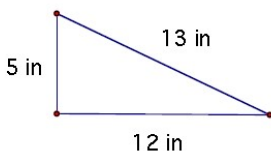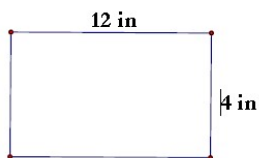      $2(x - 4)$                            $-3(x + 4)$                      $-2(3x - 5)$

Simplifying Algebraic Expressions:

    1.       Preform the distributive property to all parenthesis

    2.       Determine which terms can go together

    3.       Combine terms by using your integer rules for adding/subtracting

    4.       Write your answer in alpha order with descending exponents

   Area:    To find the area of a figure, you have to use the specified formula

       Rectangles: _____         Triangle: _____

**Simplify.**

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

4. $2(3x - 4) + 3(x + 4)$

2. $-3(x + 5) - 10$

5. $3x + 2 - (4x - 6)$

3. $5x - 2(4x - 3)$

6. $4 + 2(3x - 6) - (2x - 8)$

**Find the area of the figure.**

7.

$5x^2 + x - 4$

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