Activator

Simplify. Review 7.1 Simplify. New Today! $2x^3 + 5x^3$ $2x^{3}(5x^{3})$ $\Rightarrow 7 \chi^3$ $\frac{2xxx(5xxx)}{10x^6}$ Did the Page #5 Lesson 7.2 Did the exponent change? exponent change? **No Why? Combining like terms** Yes, We multiplied x's. does not change exponents.

Today's Objective Unit 7 Lesson 2

Students will be able to multiplying using the "BOX METHOD."









A sign (\pm) must go in each box.

Today's New Vocab (3 of 4) Simplify which means remove the (). $x(x^2 + x - 4)$

$$x^2 + x - 4$$

 $+x^3 + x^2 - 4x$

A sign (\pm) must go in each box.

Are these like terms? NO

Write all boxes down

$$x^3 + x^2 - 4x$$

Is this the answer? Yes Why?

Same variable, NOT same exponent No more like terms.

Today's New Vocab (4 of 4)				
Simplify the expression.				Page #6 Lesson 7.2
(x + 3)(x - 4) x -4			Write all boxes down $x^2 - 4x + 3x - 12$	
X	+ <i>x</i> ²	-4x	Combine Like Terms (CLT) $x^2 - 1x - 12$ Can this be graphed? Yes	
+ 3	+3x	-12		

A sign (\pm) must go in each box.

Group Work Questions



<u>Directions:</u> All groups, please do all of the questions. Use your notes from last class to help you. [Ask 2 people before you ask me.]

Last time, we did Lesson 7.2 Notes.

2nd Stop @ 9:03 ^{3rd} Stop @ 10:06 *One person from each group will present one question.

Work Period

The expression $(x - 6)^2$ is equivalent to (x - 6)(x - 6)and it can be multiplied.

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Write all boxes down $x^2 - 6x - 6x + 36$ Like Terms $x^2 - 12x + 36$

Exit Ticket

