

Warm Up

Week 6

1) $(2y^2 - 5y + 1) + (y^2 - y - 4)$

$$3y^2 - 6y - 3$$

2) $(7x - 3x^3) + (16 - 8x^3 + 5x^2 - x)$

$$-11x^3 + 5x^2 + 6x + 16$$

3) $(t^2 - 6t + 2) + (5t^2 - t - 8)$

$$6t^2 - 7t - 6$$

4) $(8x^3 - x^2 - 5x + 1) + (3x^3 + 2x^2 - x + 7)$

$$11x^3 + x^2 - 6x + 8$$

Homework Questions?

Self Scoring Scale

4- I can *summarize* the concepts and explain it to others.

3- I can *apply* the concepts to answer questions correctly.

2- I can *apply* the concepts but with some *mistakes*.

1- I *need help* to know how to apply the concepts.

0- I *can't* apply the concepts even with help.

***Finish 9.1 wkst #1-20**

***Skill Review**

p.573 #58-63

10.2 Multiplying Polynomials

Goals: • Multiply polynomials.

EQ: What are the three different methods for multiplying polynomials?

Vocabulary FOIL pattern: (multiplying 2 binomials)

F O I L

first outside inside last

Example 1: Use the Distributive Property

$(x - 5)(x + 7) =$

$x(x + 7) + -5(x + 7)$
 $x^2 + 7x - 5x - 35$
 $x^2 + 2x - 35$

$(x - 5)(x + 7)$

$-5x$
 $7x$

$x^2 + 7x - 5x - 35$
 $x^2 + 2x - 35$

Example 2: Multiply Binomials Using the FOIL Pattern

F
O
I
L

$(x - 5)(7x + 1) = \underline{7x^2} + \underline{1x} - \underline{35x} - \underline{5}$

Box Method

	$7x$	1
x	$7x^2$	x
-5	$-35x$	-5

$7x^2 - 34x - 5$

$7x^2 - 34x - 5$

Homework

10.2 Notes Continued wkst #1-8