ALGEBRA II
Chapter 1 section 4
Rewrite Formulas and Equations
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<u>FOCUS:</u>
What are formulas, and how are they used?

<u>VOCAB:</u>
Formula:

Solve for a Variable:

<u>WARM – UP:</u>

Evaluate.   x = 3 and y = 5

1. $\dfrac{45 - 3(9)}{4}$ _____   2. $\dfrac{x + y}{x - 2y}$ _____

3. Use the distributive property to rewrite xy - 5y as a product._____

<u>NOTES:</u>

Solve the formula d = rt for t. Then find the time it takes to travel 312 miles at an average rate of 48 miles per hour.

Solve the formula A = ½(b_1 + b_2)h for b_2. Then find the length of the other base of a trapezoid if the length of one base is 13 centimeters, the height is 10 centimeters, and the area is 105 square centimeters.

Solve for y. Then find the value of y when x is given.

$5x + 3y = 8$ $x = -5$ $2xy - 5y = 8$ $x = 3$

A campus bookstore sells T - shirts for $15 each and sweatshirts for $22 each.

Write an equation for the bookstore's revenue R from selling m T - shirts and n sweatshirts.

Solve the equation for m.

In order for the bookstore to have $6,600 in revenue from sales of these two items during the fall semester, how many T - shirts must be sold if 150 sweatshirts are sold?

Let's see if you comprehended what we worked on in class…

Try _____ for homework