

ALGEBRA II
Chapter 1 section 2
Evaluate and Simplify Algebraic Expressions
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FOCUS:

When an expression involves more than one operation, in what order do you do the operations?

VOCAB:

Power: _____

Variable: _____

Term: _____

Coefficient: _____

Identity: _____

WARM – UP:

Use the distributive property to rewrite the expression.

1. $7(4a - 8)$ _____ 2. $-9(5x - 9y)$ _____

3. Jill has enough money for a total of 32 table decorations and wall decorations. If n is the number of table decorations, write an expression for the number of wall decorations she can buy.

NOTES:

Evaluate. -13^2 $(-13)^2$

$3m^2 + 5m - 12$ when $m = -4$

You are selling fresh - squeezed lemonade at a county fair for \$2.50 per glass. You spend \$180 to rent the stand and buy the ingredients and supplies you need. Write an expression that shows your profit from selling g glasses of lemonade. Find your profit if you sell 268 glasses of lemonade.

Simplify the expression.

$12n - 7n$

$8r^3 + 6r^2 - 9r^3$

$9(t - 4) - 6(t + 7)$

$15a - 8b - 20a + 14b$

Yesterday a store sold 60 recordable DVDs. The Brand A DVDs sell for \$15 each, and the Brand B DVDs sell for \$12 each. Write and simplify an expression that represents the store's total income for the DVD sales yesterday if x represents the number of Brand A DVDs sold. Then find the total income if 38 of the 60 DVDs were Brand A.

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

Try _____ for homework