Algebra Bellwork - October 3, 2011

Use the Distributive Property to solve

Emilio bought 3 new DVD's for $21.98 each. How much did he spend in total?

Check your work: p.48 #1, 4, 6, 9, 13

1) 2412

4) 2448

6) 2997

9) $3.96

13)$98.97

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Use the Distributive Property to solve

Emilio bought 3 new DVD's for $21.98 each. How much did he spend in total?

$3(22 - .02)$

$66 - .06$

65.94

21.98×3

22×3

I went to Van's in order to buy 3 pears.

Each pear costs 8.98. What is the total cost?

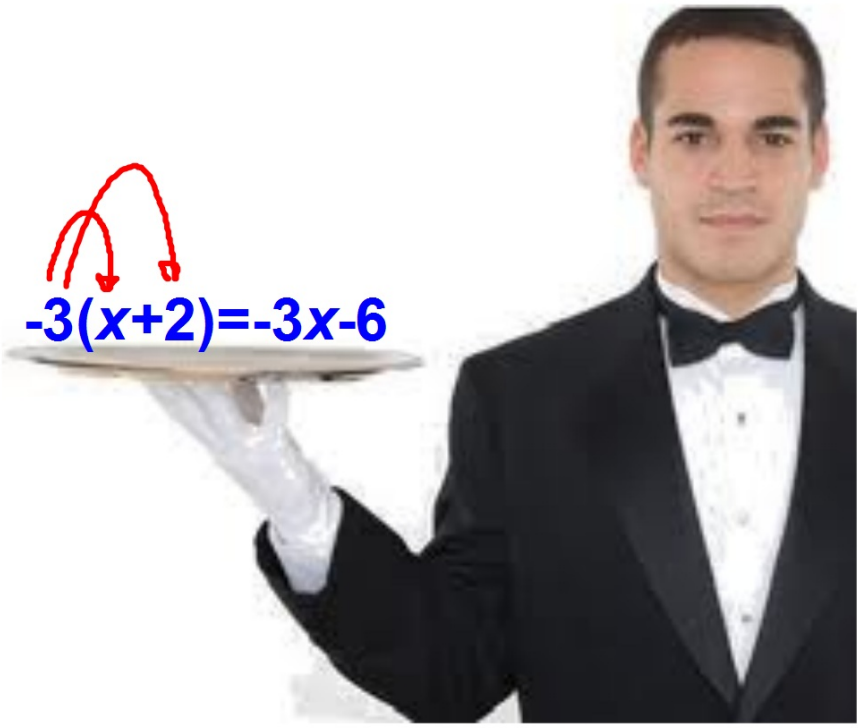
$3(9 - .02)$

$27 - .06$

26.94

Explain how to solve your problem.

Objective: Today we will simplify expressions using the Distributive Property.



$$-(6x + 4) = -1(6x + 4)$$

$$-6x - 4$$

Read the top of p.47
Paraphrase (make your own definitions)

1. Term: a number, or a number with one or more variables. Multiplication. $10c$, $7b$, $5xy^2$, 12

2. Constant: a number. No variables. 22, 30, -5

3. Coefficient: the number "factor" of a term. The number in front of the variable(s).

4. Like Terms: terms that have the same variables and the same exponents.

Combine Like Terms

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

$$x^2 + y + 4x$$