

Do Now:

Write your own example of each property.

- 1) Associative 2) Commutative 3) Distributive

$$5x + 7 = 7 + 5x \quad 2(\overset{\curvearrowright}{\underset{\curvearrowright}{3+2}}) =$$

$$7 + (3 + 4) = (7 + 3) + 4$$

$$2(3) + 2(2)$$

Jan 11-8:52 PM

Algebraic Expressions

Term: either a single number or variable, or numbers and variables multiplied together. Terms are separated by + or – signs.

Like Terms : Terms that have the same variable and same exponent

Coefficients: The number in front of a variable

Constant: a Term that has no variable

Jan 11-8:52 PM

Identifying parts of an expression

$$10x^2 + 3x - 6x^2 + 7$$

Terms: $10x^2, 3x, 7, -6x^2$

Like Terms: $10x^2$ & $-6x^2$

Coefficients: $10, 3$ & -6

Constant: 7

Mar 8-9:23 AM

Simplifying Algebraic Expressions

To Simplify: Add coefficients,
keep variables
AND exponents the same

Like Terms

$$\boxed{10x} + 12x^2 - 8 \boxed{-3x}$$

$$7x + 12x^2 - 8$$

$$12x^2 + 7x - 8$$

Jan 11-8:52 PM