

Name: _____

Guided notes 2c.2
Math 9 – Wolfe

Combining like terms

Vocabulary review:

Coefficient
Variable
Power/Exponent
Degree

$$2yz^2$$

Like terms have the same _____ to the same _____ .

Like terms	Not like terms

Combining like terms lets you simplify an expression.

Examples:

You can only _____ or _____ like terms.

You can _____ or _____ if they are different.

This lets you solve equations with more than one step by combining like terms:

$3x + 5 + 7x = 10$	Given equation
$(3x + 7x) + 5 = 10$	Group like terms (you can often do this in your head)
$10x + 5 = 10$	Combine like terms
$\begin{array}{l} -5 \quad -5 \\ 10x = 5 \\ X = \frac{1}{2} \text{ or } 0.5 \end{array}$	Solve the equation

Examples: