Name _____   Date _____

Combine Like Terms and Expand Terms - Guided Lesson Explanation

In all the problems you first find terms that are the same and have the same variables. Combine those variables by adding them together.

Explanation#1

$6x^2 + 3x + 4x + 3x^2$ Put like parts together.

$(6x^2 + 3x^2) (3x + 4x)$ Combine them by adding.

$9x^2 + 7x$

Explanation#2

$4(x + 9)$ multiply all terms by 4

$(4 \times x) + (4 \times 9)$

$4x + 36$

Explanation#3

$3x(x^2 + 12)$ Multiply all terms by 3x

$(3x \times x^2) (3x \times 12)$

$3x^3 + 36x$