

MAT0028 ~ Lesson 8

Work the following examples as you listen to the recorded lecture.

Simplifying Algebraic Expressions

Remember -
1. We can only combine (add/subtract) like terms .
2. Terms are separated by addition or subtraction.
3. Like terms have the exact same variable (unknown).

Are the following terms like or unlike?

Example 1: $-2x^2y + 6xy$

Example 2: $ab^2 - 7ab^2$

Example 3: $c - 7c + 2c$

Example 4: $6g + 5 - 3g - 7$

Example 5: $8h + 13h - 6 + 7h - h$

Example 6: $0.4y - 6.7 + y - 0.3 - 2.6y$

Example 7: $-4(y + 6)$

Example 8: $-2(4x - 3z - 1)$

Example 9: $4(2x - 3) - 2(x + 1)$

Example 10: Subtract $4x - 7$ from $12 + x$

Example 11: $\frac{1}{5}(9y + 2) + \frac{1}{10}(2y - 1)$