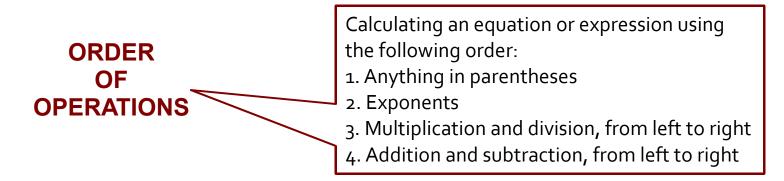
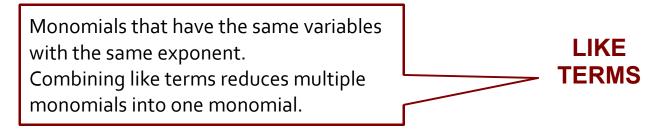
## **Introduction to Algebraic Expressions**



Using the order of operations, complete the following algebra problems.

Ex. 1.  $(5 + 9) - 3^2 + 4 \times 6$   $14 - 3^2 + 4 \times 6$   $14 - 9 + 4 \times 6$  14 - 9 + 24 5 + 24 = 294.  $5 + (7 + 9) - 1 \times 2^3$ 5.  $6 + 12 \div 3 + (17 - 5)$ 6.  $4^2 + 4 \times 3 - 5$ 



Simplify the following algebraic expressions by combining like terms.

Ex.1.  $7 + 2x - 1 + 5x + 3x^2$  2.  $10x + 8 - 2x + x^3 + 5$  3. 8 - 3 - 2x + 10x  $7 - 1 + 2x + 5x + 3x^2$   $6 + 7x + 3x^2$ 4.  $2x^2 + 3x + x^2 - x + 4$  5.  $x + x + 2x^3 + 3x$  6.  $9 + x^3 - 3 + x^3 - 2x$