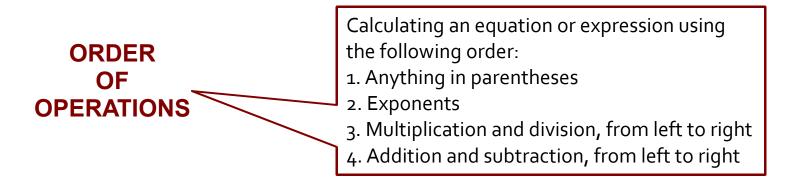
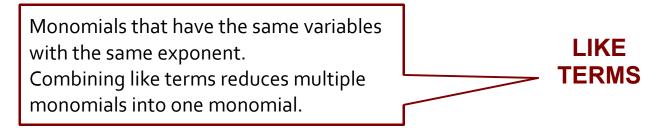
Introduction to Algebraic Expressions



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.** $9 + x^3 - 3 + x^3 - 2x$