4.4 Algebraic Expressions

<u>Variable:</u> a symbol, usually a letter, used to represent a number.

Order of Operations: Order that you simplify an expression. PEMDAS

To evaluate an expression, you replace the variable with a number and then simplify.

1. Evaluate: 7p if p = 2

3. $6(x - y)^2$ when x = 7 and y = 4

2. Evaluate: 5y - 8 for y = 7

$$5.(7)-8$$
 235 $35-8$ $\frac{-8}{27}$ 27

4. 5n + 2 when n = 6

$$Ex^{*}$$
, $Z = 10$

$$\frac{10}{3} + \frac{1}{10} \cdot 3$$

$$\frac{10}{3} - \frac{1}{3} = \frac{7}{3}$$