

## Unit 1 Problem Set #1

Name:

*Simplify the following. (Circle your final answers)*

$$6 + 2 \times 14 - 8$$

$$(4 + 6) \times 10 - 3$$

$$3^3 + 10$$

$$6(3x - 2)$$

$$2(2x - 4)$$

$$3(5y + 3)$$

$$3x^2 + 10y - x^2 - 4y$$

$$10x + 3x^2 + 4x - 2x^2$$

$$2(3x + 4) + 3(x - 2)$$

$$3(y - 3) + 4(y - 2)$$

$$|-10|$$

$$-|14|$$

*Evaluate the following expressions using the following values.*

$$x = 4 \quad y = 2 \quad z = 3$$

$$2x + y$$

$$x + y + z - 9$$

$$y^3$$

$$\frac{x}{y} + z$$

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