Name _____ Date _____ Pd __

CYU 1.4 Variable Expressions & Equations DAY TWO

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Evaluating Expressions	1	2abde	2cf
Solution/Answer	3		

1. Evaluate the following expressions when x = 1, y = 3, and z = 5.

    a. 3y

    b. $\frac{z}{5x}$

    c. 3x – 2

    d. |2x + 3y|

    e. xy + z

    f. $5y^2$

2. Evaluate each expression if x = 12, y = 8, and z = 4.

    a. $\frac{x}{z} + 3y$ b. $x^2 - 3y + x$ c. $\frac{x^2+z}{y^2+2z}$

Evaluate each expression if x = 12, y = 8, and z = 4.

d. $\frac{y}{z} + 8x$ e. $y^2 - 3x + y$ f. $\frac{y^2 + x}{x^2 + 3y}$

3. Decide whether the given number is a solution of the given equation.
   a. Is 5 a solution of 3x + 30 = 9x?

   b. Is 6 a solution of 2x + 7 = 3x?

   c. Is 0 a solution of 2x + 6 = 5x − 1?

   d. Is 2 a solution of 4x + 2 = x + 8?

   e. Is 6 a solution of 3x − 10 = 8?

   f. Is 2 a solution of x + 6 = x + 6?

   g. Is 0 a solution of x = 5x + 15?

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!
How confident are you with the skills this CYU covered? Circle the score you would give yourself.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Basic | | Intermediate | | | Advanced | | Solved ALL! |