

CYU 1.4 Variable Expressions & Equations DAY TWO

Use when you get it right all by yourself

S *Use when you did it all by yourself, but made a silly mistake*

H *Use when you could do it alone with a little help from teacher or peer*

G *Use when you completed the problem in a group*

X *Use when a question was attempted but wrong (get help)*

N *Use when a question was not even attempted*

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.

