Name Key Date _____ Pd ____

CYU 1.7 Evaluating Expressions DAY THREE

☑ *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
Simplifying Expressions	1, 2, 5	3, 4, 6	7 - 9
Evaluating Expressions	10	11, 12	13, 14
Checking Solutions	15, 16	20	17 - 19

Simplify. Show work for full credit.

1. $\frac{-9(-3)}{-6}$ $-\frac{9}{2}$

2. $\frac{12}{9-12}$ -4

3. $\frac{-6^2+4}{-2}$ 16

4. $\frac{8+(-4)^2}{4-12}$ -3

5. $\frac{22+(3)(-2)}{-5-2}$ $-\frac{16}{7}$

6. $\frac{-3-5^2}{2(-7)}$ 2

7. $\frac{6-2(-3)}{4-3(-2)}$ $\frac{6}{5}$

8. $\frac{-3-2(-9)}{-15-3(-4)}$ -5

9. $\frac{|5-9|+|10-15|}{|2(-3)|}$ $\frac{3}{2}$

If x = - 5 and y = -3, evaluate each expression.

10. 3x + 2y -21

11. $2x^2 - y^2$ 41

12. $x^3 + 3y$ -134

13. $\frac{2x-5}{y-2}$ 3

14. $\frac{-3-y}{x-4}$ 0

Decide whether the given number is a solution of the given equation.

15. Is 7 a solution of – 5x = - 35? yes

16. Is – 4 a solution of 2x = x – 1? no

17. Is – 20 a solution of $\frac{x}{10} = 2$? no

18. Is – 3 a solution of $\frac{45}{x} = -15$? yes

19. Is 5 a solution of – 3x – 5 = - 20? yes

20. Is – 4 a solution of 2x + 4 = x + 8? no

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.