Name _____ Date _____ Pd _____

CYU Test Review #3

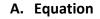| CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Equation (Solve) VS Expression (Evaluate, Simplify)	5 - 8	17 - 20	
Inequalities	3		
Adding Real Numbers	1	21, 22	
Subtracting Real Numbers	4		
Multiplying & Dividing Real Numbers	2		
Positive, Negative, 0 or Undefined	9 - 16		
Opposites, Reciprocals	17 - 20		

Show work to earn full credit. Choose the best CAPITAL LETTER and write that letter in the box provided.

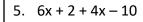1. For – 5 + (- 3), the operation is
   A. Addition
   B. Subtraction
   C. Multiplication
   D. Division

2. For – 5(- 3), the operation is
   A. Addition
   B. Subtraction
   C. Multiplication
   D. Division

3. In the state of Massachusetts, there are 2221 licensed child care centers and 10,993 licensed home-based child care providers. **Write an inequality statement comparing numbers 2221 and 10,993.**

4. The temperature at the Winter Olympics was a frigid 14 degrees below zero in the morning, but by noon it had risen to 31 degrees. What was the temperature at noon?

Identify each as an
    A. Equation   **B. Expression**

5. $6x + 2 + 4x - 10$ 7. $-2(x - 1) = 12$

6. $6x + 2 = 4x - 10$ 8. $-7\left(x + \frac{1}{2}\right) - 22$

State whether each expression simplifies to
    A. Positive number   **C. 0**
    B. Negative number   **D. Not possible to determine**

9. a + b   13. $a \cdot b$

10. $\frac{a}{b}$ 14. $a - 0$

11. $0 \cdot b$ 15. a − b

12. 0 + b   16. $\frac{0}{a}$

The problem and the correct answer are given. Select the correct directions.
    A. Find the   **B. Find the**   **C. Evaluate or**
        opposite.   **reciprocal.**   **simplify.**

17. 5, Answer: $\frac{1}{5}$ 19. 2^3, Answer: 8

                                                  20. − 7, Answer: 7

18. 3 + 2(- 8), Answer: - 13

21. A health insurance provider had net incomes of $356 million, $460 million, and - $166 million in 3 consecutive years. What was the health insurance provider's total net income for these three years?

22. A stockbroker decided to sell 280 shares of stock, which decreased in value by $1.50 per share yesterday. How much money did she lose?

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!