Name: _____ Date: _____ Period: _____

Test Review Ch. 5 DAY ONE CYU

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Vocabulary terms	1 - 10		
Simplifying expressions with exponents	11 – 14	15 - 18	
Negative exponents	19, 20		

VOCABULARY TERMS

Fill in each blank with the appropriate word(s) or phrases.

1. A _____ is a number or the product of numbers and variables raised to powers.

2. The _____ method may be used when multiplying two binomials.

3. A polynomial with exactly three terms is called a _____.

4. The _____ __ _____ is the greatest degree of any term of the polynomial.

5. A polynomial with exactly two terms is called a _____.

6. The _____ of a term is its numerical factor.

7. The _____ __ _____ is the sum of the exponents on the variables in the term.

8. A polynomial with exactly one term is called a _____.

9. Monomials, binomials, and trinomials are all examples of _____.

10. The _____ property is used to multiply 2x (x – 4).

MATCHING

Match the expression with the exponent operation needed to simplify. Letters may be used more than once or not at all.

11. $x^2 \cdot x^5$ A. Multiply the Exponents

12. $(x^2)^5$ B. Divide the Exponents

13. $x^2 + x^5$ C. Add the Exponents

14. $\frac{x^5}{x^2}$ D. Subtract the Exponents

                                 E. This expression will not simplify.

MATCHING

Match the operation with the result when the operation is performed on the given terms. Letters may be used more than once or not at all. **Given the terms: 20y & 4y**

15. Add the terms	A. 80y	E. $80y^2$	I. 5
16. Subtract the terms	B. $24y^2$	F. 24y	
17. Multiply the terms	C. 16y	G. $16y^2$	
18. Divide the terms	D. 16	H. 5y	

MULTIPLE CHOICE

19. The expression 5^{-1} is equivalent to

A. -5 B. 4 C. $\frac{1}{5}$ D. $-\frac{1}{5}$

20. The expression 2^{-3} is equivalent to

A. -6 B. -1 C. $-\frac{1}{6}$ D. $\frac{1}{8}$

MATCHING

Match each expression with its simplified form. Letters may be used more than once or not at all.

21. y + y + y	A. $3y^3$	E. $-3y^3$
22. y · y · y	B. y^3	F. $-y^3$
23. (- y)(- y)(- y)	C. 3y	
24. $-$ y $-$ y $-$ y	D. $-$ 3y	

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!