

Test Review Ch. 5 DAY ONE CYU

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
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.

- A _____ is a number or the product of numbers and variables raised to powers. *term*
- The _____ method may be used when multiplying two binomials. *FOIL*
- A polynomial with exactly three terms is called a _____. *trinomial*
- The _____ is the greatest degree of any term of the polynomial. *degree of a polynomial*
- A polynomial with exactly two terms is called a _____. *binomial*
- The _____ of a term is its numerical factor. *coefficient*
- The _____ is the sum of the exponents on the variables in the term. *degree of a term*
- A polynomial with exactly one term is called a _____. *monomial*
- Monomials, binomials, and trinomials are all examples of _____. *polynomials*
- The _____ property is used to multiply $2x(x - 4)$. *distributive*

MATCHING

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

- | | |
|--------------------------------|---------------------------------------|
| 11. $x^2 \cdot x^5$ <i>C</i> | A. Multiply the Exponents |
| 12. $(x^2)^5$ <i>A</i> | B. Divide the Exponents |
| 13. $x^2 + x^5$ <i>E</i> | C. Add the Exponents |
| 14. $\frac{x^5}{x^2}$ <i>D</i> | 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 | F | A. $80y$ | E. $80y^2$ | I. 5 |
| 16. Subtract the terms | C | B. $24y^2$ | F. $24y$ | |
| 17. Multiply the terms | E | C. $16y$ | G. $16y^2$ | |
| 18. Divide the terms | I | 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. $y + y + y$ | C | A. $3y^3$ | E. $-3y^3$ |
| 22. $y \cdot y \cdot y$ | B | B. y^3 | F. $-y^3$ |
| 23. $(-y)(-y)(-y)$ | F | C. $3y$ | |
| 24. $-y - y - y$ | D | 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.

