Name **Key** Date _____ Pd ____

CYU 1.7 Multiplying Real Numbers DAY ONE

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Multiplying Real Numbers			
Simplifying Expressions			
Integers, Positive/Negative, Product			
Evaluating Exponents			

Multiply.

1. $-6(4)$ -24

2. $2(-1)$ -2

3. $-5(-10)$ 50

4. $-3 \cdot 4$ -12

5. $-7 \cdot 0$ 0

6. $2(-9)$ -18

7. $-\frac{1}{2}\left(\frac{-3}{5}\right)$ $\frac{3}{10}$

8. $-\frac{3}{4}\left(-\frac{8}{9}\right) = \frac{24}{36} = \frac{2}{3}$

9. $5(-1.4) = -7$

10. $-0.2(-0.7)$ 0.14

11. $-10(80)$ -800

12. $4(-7)$ -28

13. $(-5)(-5)$ 25

14. $\left(\frac{2}{3}\right)\left(-\frac{4}{9}\right)$ $-\frac{8}{27}$

15. $-11(11)$ -121

16. $-\frac{20}{25}\left(\frac{5}{16}\right) = -\frac{100}{400} = -\frac{1}{4}$

17. $(-1)(2)(-3)(-5)$

$-2(-3)(-5)$

$6(-5) = -30$

Perform the indicated operation. Show your work.

18. $(-2)(5) - (-11)(3)$ 23

19. $(-6)(-1)(-2) - (-5)$ -7

20. $8(-3) - 4(-5)$ -4

21. $20 - (-4)(3)(-2)$ -4

Decide whether each statement is true or false. Write out the entire word.

22. The product of three negative integers is negative.   true

23. The product of three positive integers is positive.   true

24. The product of four negative integers is negative.   false

25. The product of four positive integers is positive.   true

Evaluate: no exponents in final answer. Show work.

26. $(-2)^4$ 16

27. -1^5 -1

28. $(-5)^2$ 25

29. -7^2 -49

30. -2^4 -16

31. $(-1)^5$ -1

Find each reciprocal or the multiplicative inverse.

32. 9 $\frac{1}{9}$

33. $\frac{1}{7}$ 7

34. $-\frac{3}{11}$ $-\frac{11}{3}$

35. $1.5 = \frac{3}{2}$ $\frac{1}{1.5} = \boxed{\frac{2}{3}}$

36. 100 $\frac{1}{100}$

37. $-\frac{6}{13}$ $-\frac{13}{6}$

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!