Name:				Date:	
Multiple C	Choice.				
	1. Which equation illust	rates the identity prope	rty of multiplication?		
	A. $(xy)z = x(yz)$	$\mathbf{B.} x \cdot 0 = 0$	$\mathbf{C.} x \cdot 1 = x$	D. $\frac{2}{3} \cdot \frac{3}{2} = 1$	
2	 What is the LCM of 1 A. 6 	8 and 24? B. 48	C. 72	D. 504	
	A. 0	D. 40	C. 72	D. 304	
	3. List from least to grea	atest?			
	A. $\frac{2}{3}, \frac{31}{50}, .61, \frac{3}{5}$	B. $\frac{3}{5}$, .61, $\frac{31}{50}$, $\frac{2}{3}$	C. $\frac{2}{3}$, .61 $\frac{3}{5}$, $\frac{31}{50}$	D. $\frac{2}{3}, \frac{3}{5}, \frac{31}{50}, .61$	
2	4. In which quadrant is t	he point (-9, 6) located	?		
	A. I	B. II	C. III	D. IV	
:	5. Which property is bes	st illustrated by the state	ement $-5(z+1) = -5z$	-5?	
	A. Identity PropertyC. Distributive Prop	1	B. Commutative Property of MultiplicationD. Associative Property of Multiplication		
(6. Which expression is e				
	A. 3a	B. 3a + 4	C. 3a + 12	D. 3a + 16	
,	7. What is the value of $\frac{1}{2}$	$\frac{x}{z^2}(4y-z)+6$ when x	= -12, y $=$ -2 and z $=$ -	3	
	A. 24	B. -30	C. -24	D. 36	
8	8. Which number is not		-		
	A. -1	B. 1	C. 3	D. 4	

9. V	Which	equation	does 1	10t have	6 as	a solution?
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A.
$$x + 5 = 11$$
 B. $3 - x = -3$ **C.** $7t = 42$ **D.** $\frac{24}{x} = 3$

10. What is the value of
$$|-3x| + |2y|$$
 when x = -4 and y = -8
A. 24 B. 30 C. 28 D. 4

11. What is the least common denominator of
$$\frac{3}{4}$$
, $\frac{2}{3}$, and $\frac{1}{6}$?
A. 3 B. 6 C. 12 D. 24

$$----- 12. Which expression represents 6 more than 3 times a number n.
A. 6(3n) B. 3n + 6 C. 3(6 + n) D. 6 + 3 + n$$

_____ 13. Which equation represents the sentence one half a number n is 12. $\frac{1}{2}$

A.
$$2n = 12$$
 B. $\frac{1}{2}n = 12$ **C.** $\frac{2}{n} = 12$ **D.** $\frac{12}{x} = 2$

Simplify.

14.
$$3\frac{5}{8} + \frac{2}{3}$$
 15. $\frac{4}{9} + \frac{16}{6} \div \frac{4}{7}$

16.
$$(2x-7)-(7x-3)+2$$
 17. $-3(y-4)+5y$

18.
$$2x + 4 - x - 4(1 - x)$$
 19. $|-45| - |-25| + 10$

Solve.

20.
$$-3x = 6$$
 21. $\frac{y}{6} = -\frac{1}{12}$

22. -34 + x = 17 23. x + 46 = -54

24. One type of thermal ice drill can drill through ice at a rate of 15 feet per minute by using heat to melt the ice. Find the time (t) it takes the drill to melt through a sheet of ice 75 feet thick.

a. finish the equation _____ t = _____

b. solve the above equation for t.

25. Write the property that best identifies each situation/equation.

$$(x+4)(-3) = -3(x+4)$$

$$5(x+4) = 5x + 20$$

$$6 \cdot \frac{y}{6} = 3 \cdot 6$$