Nam	ne		Date	Period	Mastery Test B, Page 1
					Chapter 2
Ch	apter	2 Mastery	Test B		
Directions Circle the letter of the correct answe					
1.	Simplify ($(2r)^{2}$.		4. Simplify $2 + (-5)^2$	- 10.
	A $2^2 + r^2$	C $4r^2$		A -33	C 2
	B 4 <i>r</i>	D 16		B 17	D 15
2.	2 . Find the equivalent of <i>a</i>).	5. Find the reciprocal	of $\frac{x}{4}$.
	A (a)(b)	-(c) C $(a)(c)$	b)(c)	A $\frac{4}{x}$	$C \frac{x}{1}$
	B (<i>ab</i>)(- <i>a</i>)	$\mathbf{D} (a)(a)$	(b) - (a)(c)	B $\frac{1}{x}$	$\mathbf{D} \frac{1}{4}$
3.	3 . Solve for m . 8 + m = 0				
	A −8	C 8			
	B 0	D $\frac{1}{8}$			
Directions Each expression is an example of letter of the most correct responses used more than once.		an example of a pro orrect response. A re ce.	perty. Choose the esponse may be		
6.	(3+6)+	2 = 3 + (6 + 2)		a. commutative prope	erty of addition
7.	9 + (-4) =	= -4 + (9)		b. associative property	y of multiplication
8.	10 (2 • 5)	$=(10 \cdot 2)5$		c. commutative prope	erty of multiplication
9.	7 <i>m</i> + 3 <i>n</i>	= 3n + 7m		d. distributive propert	ty of multiplication
10.	[(19•21)	$45] = [19(21 \cdot 45)]$		e. associative property	y of addition

Name	Date Period	Mastery Test B, Page 2
		Chapter 2
Chapter 2 Mastery Test B, conti	inued	
<i>Directions</i> Find each product.		
11. 3(4 • 6)	12. $8[-n+(-p)]$	
Directions Factor each expression.		
13. 3 <i>g</i> + 3 <i>h</i>	14. $c^2m - d^3m$	
Directions What missing number or va	riable makes each statement true?	
15. 0 = 6 − ■	17. (1)(<i>x</i>) = ■	
16. $(-4)(\blacksquare) = -4$		
Directions Write the reciprocal of each	term.	
18. –7		
19. <i>a</i> ³		
20. $\frac{y}{2}$		
Directions Simplify.		
21. $(-4q)^3$		
22. (80 <i>b</i>) ²		
Directions Simplify each expression usi	ing the order of operations.	
23. 10 <i>a</i> – 4 <i>a</i> (3)	_	
24. $3(r-7r) + r$	_	
25. (150 <i>y</i>) + (350 <i>y</i>)(2)	_	