Chapter 1 Test REVIEW

Name:

Н	0	u	r	:
F 1	υ	u		٠

1. Write an alg the difference	ebraic expressior e of 6 and 12	n for the phrase.	
			Solution_D-12
2. What equat	ion models the da	ta in the table if	
d= number of	days and c = cost	?	
	Days	Cost	
	2	24	
	3	36	
	5	60	
	6	72	
			Solution 12d = C
3. Evaluate u	+ <i>xy</i> , for <i>u</i> = 8, <i>x</i> =	= 6 and y = -7.	
			Solution
4. Write an ald	gebraic expression	n for the phrase.	
-6 times the quantity g minus 10			
			Solution_(Q-10)
5.			
•		d the state sales tax is 6%. Use	
		ie total cost of the shoes, where	
		e, and r is the sales tax rate.	
	is the same as .00	6.	
p =			
r =	hatitute and simpl	1:4.7	
	bstitute and simpl	(1) y)	d 20 21
C = + C = \$			Solution # 39.21
U			
	(1)2	(
6. Evaluate the expression $(ab)^2$ for $a = 5$ and $b = 2$.			
			SolutionOO

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	Name: Hour:
7. Simplify -3.6 - (-2.7) + 5.8	
	i) O
	Solution
8. Simplify	
15-16	
9. Simplify	Solution
-6.2(-3.1)	
0.2(0.2)	
	Solution 19,22
10. Simplify	Solution_9122
(-3) ³	
	Solution
11. Simplify	
-6 ²	2.
	Solution -30
12. Evaluate the expression $2x + y$ for $x = -10$ and $y = 40$	
	Solution

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	Name: Hour:
13. A mountain climber ascends a mountain to its peak. The peak is 11,350 ft above sea level. The climber then descends 600ft to meet a fellow climber. Find the climber's elevation above sea level after meeting the other climber.	
	Solution 10,750 ft
14. Evaluate b - 2a - c for a = -5, b = 4, and c = -3.	
	Solution 17
15. The expression $-5.5\left(\frac{\alpha}{1000}\right)$ can be used to calculate the	
change in temperature in degrees Fahrenheit for an increase in altitude <i>a</i> , measured in feet. A plane starts on the ground and then rises 15,000 ft. Find the change in temperature at the altitude of the plane.	
	solution - 82.5°F
16. Evaluate $\frac{a}{b}$ for $a = -16$ and $b = -2$.	
	Solution8
17. Simplify 3(-x+5)	
	-3x+15
18. Simplify	
8(16a + 1) - 12	
	solution 128a-4