NAME _

2 Chapt	er 2 Test, Fo	orm 1	S	CORE			
Write the letter for t	he correct answer	r in the blank a	at the right of each	question.			
1. Translate the follow Twice a number m	ving sentence into a minus three equals t	-	d five.				
A $2(m-3) = m +$	- 5	C $2m - 3 = 3$	5m				
B $2m - 3 = m + 5$	5	D $2(m-3) =$	= 5 <i>m</i>	1			
 2. Translate the following equation into a verbal sentence. x + 5 = 2(7 + x) F The quotient of x and five is two times seven plus x. G The number x plus five is two times the sum of seven and x. H The number x plus five is two times seven plus x. 							
-	and five is the sum	-	even and <i>x</i> .	2			
3. Solve $y - 18 = -3$. A -21	B 21	C –15	D 15	3			
4. Solve $5n = 35$. F 30	G 7	H 40	J 165	4			
5. Solve $\frac{3}{5}x = 15$. A 9	B 5	C 25	D 75	5			
6. Solve $2t + 1 = 3$. F 1	G -1	H 2	\mathbf{J} –2	6			
7. A number is added to 9. The result is then multiplied by 4 to give a new result of 120. What is the number?							
A 21	B 39	C 489	D $4(n+9) + 120$	7			
8. Evaluate 2b − 5 − F −2	+ 1 if $b = 1$. G 2	H 4	\mathbf{J} –8	8			
9. Solve $ c - 5 = 7$. A Ø	B {-4, 4}	C {-4, 6}	D $\{-2, 12\}$	9			
10. Which ratio forms a proportion with $\frac{7}{14}$?							
$\mathbf{F} \frac{4}{9}$	G $\frac{5}{12}$	H $\frac{2}{5}$	J $\frac{3}{6}$	10			

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Chapter 2

Glencoe Algebra 1

		DATE _	PERIOD	
2 Cha	pter 2 Test	Form 1 (cont	inued)	
11. Solve the propor	tion $\frac{2}{7} = \frac{x}{42}$.			
$\mathbf{A} \frac{1}{2}$	B 12	$\mathbf{C} \frac{2}{7}$	D 6	11
12. Solve $3t - 6 = t$ F -2	−2. G −4	H 2	J 1	12
13. Solve $4(t + 1) =$ A $2\frac{1}{2}$	6t - 1. B 1	C 0	D $1\frac{1}{2}$	13
14. Solve $5(g - 2) + \mathbf{F}$ all numbers	g = 6(g - 4). G 0	H 2	JØ	14
15. Solve $ax - 5 = b$ A $x(b + 5)$		C $\frac{b+5}{x}$	D $x(b-5)$	15
16. Find the percent F 12%	of change. origin G 25%	nal: 10 new: 12 H 20%	J 18%	16
		tax is 5%, what is th		
A \$3.80	B \$4.20	C \$4.05	D \$4.50	17
•	s of pure acid must n a 75% acid solut	t be added to 3 liters ion?	of a 50% acid	
	G 4.5 L	H 1.5 L	J 3 L	18
directions. Joe d	rives 45 miles per	ame time, traveling hour and Janna driv be 510 miles apart?	ves 40 miles per	
A 7 hours	B 6 hours	C 5 hours	D 4 hours	19
temperature rec $C = \frac{5}{9}(F - 32), C$ represents the te	orded was 94°C on C represents the te emperature in deg	California, the highe July 15, 1972. In th emperature in degree rees Fahrenheit. To t cature in Death Valle	e formula es Celsius and <i>F</i> the nearest degree,	
F 201°F	G 84°F	H 34°F	J 137°F	20
5 parts cem in the curre	ent. If 27 parts of	ith 3 parts water an water are being used te, how many parts o	1	