Geometry Review Quiz 12 (40 questions)

Name _____

You may write on this sheet, but put all final answers on the Scantron.

1.	What are the measures of two supplementary angles if the difference of their measures is 8° ?					
	A. 39, 51	B. 76, 84	C. 86, 94	D. 41, 49		
2.	A is at (-1, 2) and B A. (1, 4)	is at (3, 8). What are t B. (1, 5)	he coordinates of the n C. (2, 5)	nidpoint of \overline{AB} ? D. (2, 4)		
3.	If C is between X an A. 6n – 6	d Y with $CX = 8n - 4$ B. $6n - 14$	and $CY = 2n + 10$, wh C. $10n + 6$	at is XY? D. 10n – 6		
4.	What is the midpoint A. (6, -4)	t of a line that has endp B. (6, -2)	c. (3, -2) and (8	, -1)? D. (-6,-4)		
5.	If C is between X an A. $5n-3$	d Y with $XY = 6n - 4$ B. $5n - 5$	and $CY = n + 1$, what C. $7n - 3$	is CX? D. 7n – 5		
6.	Which equation would be perpendicular to the $y = -\frac{1}{7}x + 3?$					
	$A. y = -\frac{1}{7}x - 3$	$B. y = \frac{1}{7}x + 3$	C. $y = 7x - 5$	D. None of the above		
7.	If you walk 35 miles due North and then 48 miles due West, rounded to the nearest mile how far are you from your starting point?					
	A. 13 miles	B. 33 miles	C. 59 miles	D. 61 miles		
8.	Let p represent the statement "x is not a real number" and q represent "x is an integer." What would the symbolic language be for "If x is not a real number, then x is not n integer"?					
	A. $\sim p \rightarrow q$	B. $p \rightarrow \sim q$		D. $\sim q \rightarrow \sim p$		
9.	The inverse of "if you are old, you have a big head" is " if you don't have a big head, then you are not old." A. True B. False					
10.	The contrapositive of "if you have a dog, you like cats" is "if you don't like cats, you love dogs." A. True B. False					
11.	"If you like dogs, you like cats" is represented by $p \rightarrow q$. What would be the symbolic representation of "if you don't like cats, you like dogs"? A. $\sim p \rightarrow q$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $\sim q \rightarrow \sim p$					
12.	"If you have a laptop, then you have a computer" is represented by $p \rightarrow q$. What is the symbolic representation of "If you have a computer, then you don't have a laptop"?					
	A. $q \rightarrow p$	B. $p \rightarrow \sim q$	C. $\sim q \rightarrow p$	D. $q \rightarrow \sim p$		

17. T baa 17. T baa A 18. T aa A 19. V A 20. V A	A. \overline{PR}	B. \overline{PQ}	$\begin{array}{c} \text{congruent to } \underline{\qquad} ?\\ \text{C. } \overline{QR} \\ other. If line a has a slo$	D. \overline{OP}
17. 17. b a A 18. T a A 19. V A	A. $\sqrt{37}$ f BCDE is congruent	B. $\sqrt{23}$ to OPQR, then \overline{DE} is		
17. 17. b a A 18. T a			= 2x + 5 C. $y = -\frac{1}{2}x - 5$	D. $y = \frac{1}{2}x - 5$
17. T 17. T b a		and and 16 in chorus. otal kids are in either B. 28	If 4 of these kids are i band or chorus? C. 30	n both chorus D. 34
I		all. If the soccer team	baseball. 4 of the 30 k has 18 members, how C. 20	
		plays either golf or te nd golf, how many kic B. 19	nnis. 14 play golf and ls are in my class? C. 22	8 play tennis. D. 25
15. I	A. Subtraction f $\triangle ABC \cong \triangle ERT$ with A. 39°	 B. Addition n AB = 10, BC = 13, 2 B. 88° 	C. Substitution $\angle A = 39^\circ$, and $\angle R = 88^\circ$ C. 10	D. Symmetric ^{3°} , what is RT? D. 13
V A	What is a symbolic replicible of $f \sqrt{11} = z$, then z is A. $q \rightarrow p$	presentation of the standard presentation of	z is a rational number. tement: ?? C. $\sim q \rightarrow p$ = 10 demonstrates wha	D. $q \rightarrow \sim p$

24.	In $\triangle ABC$, $\angle A = 3n$, $\angle A$ A. 20°	$\angle B = 5n - 30, \angle C = 2n - 30$ B. 40°	+10. What is the mea C. 60°	surement of $\angle A$? D. 80°
25.	Give the equation in A. $y = 4x - 26$	slope intercept form the B. $y = 4x + 1$	hat goes through (2, 7) C. $y = -4x + 15$	and has a slope of 4. D. $y = 4x - 1$
26.	What would be the s	Blope of the line that is B5	perpendicular to $y = 5$: C. $\frac{1}{5}$	x + 4? D. $-\frac{1}{5}$
27.	If $\triangle ABC$ is an isosc A. $\angle C = \angle B$	eles triangle with AB = B. $\angle A = \angle B$	BC, which statement C. $\angle A = \angle C$	must be true? D. AC = B
28.	If $\triangle ABC \cong \triangle XYZ$, we have $\angle A = \angle Z$	which of the following B . AC = XY	must be true? C. XZ = BC	D. None of the above
29.	If $\triangle ABC$ is an isosc A. 40°	eles triangle with AC = B. 70°	= BC and $\angle A = 40^\circ$, w C. 80°	what is $\angle B$? D. None of the above
30.	If $\triangle ABC \cong \triangle XYZ$, A A. 30	AB = 38, $YZ = 28$, and B. 20	XY = 5x + 8, what is C. 6	the value of x? D. 4
31.	If in $\triangle CWH$, $\angle W =$ A. CW = WH	$= \angle H$ what can you cor B. CH = CW	clude? C. CH = WH	D. $\angle C = 100^{\circ}$
	D		•C G•	
32.	In picture I above, w A. ASA	vhat allows you to imm B. SAS	ediately conclude that C. AAA	$\Delta ABD \cong \Delta CBD ?$ D. SAA
33.	In picture II above, v A. ASA	what allows you to imm B. SAS	nediately conclude tha C. AAA	t $\triangle AEC \cong \triangle BEC$? D. SAA
34.	In picture III above, A. SSS	what allows you to im B. SAS	mediately conclude the C. AAA	at $\Delta FGH \cong \Delta FNH$? D. SAA

