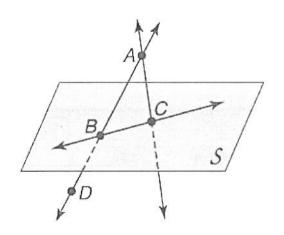
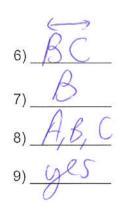
Geometry Chapter 1 Practice Test

Name Date	KEY	
	Period	

Refer the following figure for problems 1 - 5.				
L	CODPB R			
1)	Name a point that is collinear with points <i>D</i> and <i>P</i> .	1)		
2)	Name a point that is noncollinear with points A and B. Cother	2)		
3)	What is another name for plane R?	3) ADP		
	The answer can by any non-collinear 3-letter combo of: A, B, C, D, E,	P. 00		
4)	What is another name for \overrightarrow{BP} ?	4)_ <u>BH</u>		
5)	What is the intersection of \overleftrightarrow{AB} and \overleftrightarrow{DE} ?	5)		
Refer	Refer the following figure for problems 6 - 9.			



- 6) What is the intersection of plane S and \overrightarrow{BC} ?
- 7) What is the intersection of plane S and \overleftarrow{AD} ?
- 8) Name three points that are coplanar. The answer can be any 3 of these points: A, B, C, D.
- 9) Are points A, B, and C coplanar?



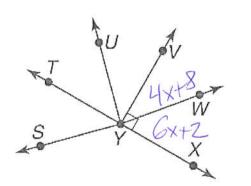
Use the following information for numbers 10 and 11. Point G is between points H and K, HG = x + 2, GK = 4x, and HK = 8x - 710) 10)Find the value of x. 4X X+2+4x=8x-7 X+Z 6 5X+2=8X -5X+7-5X 8x-7 11) Find the length of HK. 11) a = 3x8(3)-7=17 X=3 Use the number line for problems 12 & 13. Q R12) 12) Find the midpoint of QR 13) Find the measure of QR. 13)Use the points A(2,2) and B(7,4) for problems 14 & 15. 14) Find the coordinates of the midpoint of AB. 14) 244=3 2+7 = 9 (or 4.5) Find the distance between A and B. Answers can be left in 15) 15) radical form or a decimal rounded to the nearest tenth place. $d = \sqrt{(2-7)^2 + (2-4)^2}$ = 125+4 = 120 C= Y(-2,2) is the midpoint of \overline{XZ} . If Z has coordinates (2, 8), find 16) 16) the coordinates for X. (-6, -4) (-2, 2) (2, 8)

Determine whether each statement is true or false.

- 17) Any three points are coplanar.
- 18) An acute angle has no complement.
- 19) All adjacent angles are congruent.
- 20) All vertical angles are congruent.
- 21) If D is between M and T, then MD = DT + MT.

n

Refer to the following figure for problems 22 - 30.



- 22) Name a pair of vertical angles.
- 23) Name the angle that is complementary to $\angle VYW$.
- 24) Name a right angle.
- 25) Name a linear pair.
- 26) Is $\overline{VY} \perp \overline{TX}$?
- 27) Name the sides of $\angle SYT$.
- 28) Name the vertex of $\angle TYW$.
- 29) Name a pair of opposite rays.
- 30) If $m \angle VYW = 4x + 8$, $m \angle WYX = 6x + 2$, find the value of x.

4x+8+6x+2=90 10x + 10 = 9010x = 80

17) 2 18) 19) 20) 21)

22)

23)

24)

25)

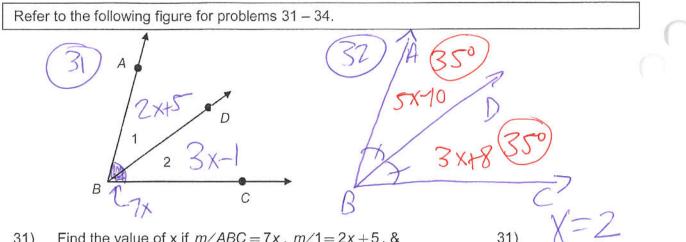
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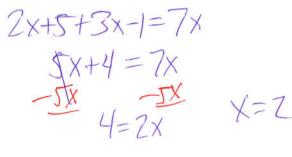
28)

29)

30)



31) Find the value of x if $m \angle ABC = 7x$, $m \angle 1 = 2x + 5$, & $m \angle 2 = 3x - 1$.



- 32) If \overrightarrow{BD} bisects $\angle ABC$, $m\angle ABD = 5x 10$ & $m\angle DBC = 3x + 8$, find $m\angle ABC$. $\overrightarrow{5x} + \cancel{0} = 3x + 8$ $\overrightarrow{3x} + \cancel{0} = 3x + \cancel{10}$ $\chi = 9$ 2x = 18
- 33) If $\angle ABC$ is a right angle, then what type of angle is $\angle ABD$?
- 34) If $\angle ABC$ is a right angle and \overrightarrow{BD} bisects $\angle ABC$, what is $m \angle ABD$?

X + SX = 180

35) Find the measures of two supplementary angles if the measure of one angle is five times its supplement.

6x = 180X=30, Znd angle = 150

34)

(1CC

32)

33)

