CHAPTER 1 TEST REVIEW GEOMETRY BASICS, SEGMENTS, & ANGLES

5 POINTS ADDED TO YOUR TEST, IF COMPLETE

1.1 Points, Lines, & Planes

Using the figure below, tell whether each statement is TRUE or FALSE. *If FALSE, provide an explanation.*

	1. AE is contained in <i>m</i> . Explanation:		9 M • F	
	 F and B are collinear. Explanation: 	C	D	B E
	 DE and CD are opposite rays. Explanation: 	<u>n</u> A		/
	4. C, A, & F are coplanar. Explanation:			
	 7 and <i>m</i> intersect at D. Explanation: 			
Using the fig	gure below, name each of the following, <u>and p</u>	rovide an exp	olanation.	
6. The inte Explar	ersection of BAF and GHE:		A	F
7. The inte Explar	ersection of CDA and HC: nation:	_	c	н
8. A point collinear with G: G		G		

1.2 Segments & Distance Find the distance between the two points on a number line.

9. <i>d</i> =	-3 and 5
10. <i>d</i> =	-11 and -27

Find the length of the segment formed by connecting the points with the given coordinates. Write your answers in simplest form! (NO DECIMALS!).

11. <i>d</i> =	(3,1) and (2,4)
12. <i>d</i> =	(-1, 4) and (-3, -4)
Civen that R is between A and	C find the indicated length

ven that B is between A and C, find the indicated length.

13. BC =	AB = 5.3 and AC = 6.7. Find BC.
14. AC =	AB = 21 and $BC = 4.3$. Find AC.

If B is between A and C, find the value of 'x' and BC.

15. <i>x</i> =	AB = 3x, BC = 5x, and AC = 8.
BC =	

16. <i>x</i> =	AB = 3(x + 7), BC = 2(x - 3), and AC = 50.				
BC =					
	-				
1.3 Midpoint & Segment E Find the midpoint of the segment	1.3 Midpoint & Segment Bisector Find the midpoint of the segment joining the two points on a number line.				
17. Midpoint:	2 and 6				
18. Midpoint:	4 and 12				
Find the midpoint of the segme	nent formed by connecting each pair of coordinates.				
19. Midpoint:(,	_) (0,0) and (2,5)				

<u> </u>		 	6.41	 	

(-3,3) and (-8,-5)

Given that B is the midpoint of \overline{AC} , find the coordinates of the endpoint indicated.

20. Midpoint: (_____, ____)

21. C(,)	A(-5,1) and B(-2,0)



In the figure below, \overline{CD} bisects \overline{AB} at D. For each of the following, find the value of 'x' and the measure of the segment indicated.



1.5 Angles

Use the figure below to answer the following questions. Be sure to use appropriate symbols where necessary.

25	Name the angle.
26	Name the vertex.
27	Name the sides.
28	Classify the angle.



Find the measures indicated.



Find the value of 'x'.



For each of the following, identify the type of angle pair, and solve for 'x'.



Find the measure of each angle described.

40. Equation:	Find the measure of an angle if its supplement is five times as large as the angle.
41.Equation:	Find the measure of an angle if its complement is ten more than four times the angle.

