Name _____ Date _____

1.1 Puzzle Time

What Did The Point Say To The Segment?

A	**B**	**C**	**D**	**E**	**F**
G	**H**	**I**	**J**		

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

$\overline{AB}$ **FOR**	**true ANT**
***C* BECAUSE**	**line I'LL**
plane *ABC* A	**ray DOOR**
coplanar HALFWAY	***A* IN**

Complete each sentence.

A. Through any two points there is exactly one _____ .

B. Through any three points which are not collinear, there is exactly one _____ .

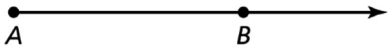
C. _____ points lie on the same line.

D. _____ points lie on the same plane.

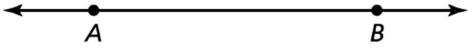
Name each figure shown in the diagram.

E.

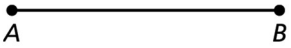
F.



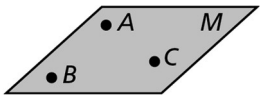
G.



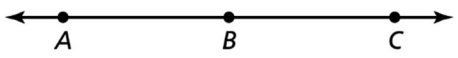
H.



I.



J. $\overrightarrow{AB}$ and $\overrightarrow{AC}$ are opposite rays. True or false?



$\overrightarrow{AB}$ **THE**	***BA* TEACHER**
collinear YOU	***B* CALLED**
false SPLIT	**point LOCKS**
plane MEET	$\overleftrightarrow{AB}$ **MIDDLE**

Name _____ Date _____

1.2 Puzzle Time

Why Did The Queen Have The King Measure The Rug?

Circle the letter of each correct answer in the boxes below. The circled letters will spell out the answer to the riddle.

Point *B* is between points *A* and *C* on $\overline{AC}$. Use the information to find the value of *x*, *AB*, and *BC*.

1. $AC = 95, AB = 15x - 10, BC = 5x + 5$
2. $AC = 8x - 16, AB = 3x - 8, BC = 4x$
3. $AC = x - 0.4, AB = x - 4.9, BC = 0.5x$
4. $AC = 38\frac{3}{4}, AB = 6x, BC = 8x + \frac{1}{4}$
5. Line segments that have the same length are called similar segments. True or false?
6. The length of a horizontal segment is the absolute value of the difference of the *x*-coordinates of the endpoints. Yes or no?
7. Points on a line can be matched with real numbers. Correct or incorrect?

B	A	H	C	E	L	A	U	W	I	A	I	H	N	E	S
no	true	9	19	16	$\frac{1}{2}$	7	1	65	incorrect	5	$\frac{1}{2}$	0.3	6	1.9	30
A	**M**	**G**	**I**	**O**	**F**	**O**	**I**	**D**	**R**	**E**	**U**	**L**	**N**	**E**	**R**
$22\frac{1}{4}$	$11\frac{1}{2}$	4.1	$\frac{1}{2}$	$16\frac{1}{2}$	$\frac{3}{8}$	4.5	5.5	32	8	63	$2\frac{3}{4}$	false	2	yes	correct