

Name: \_\_\_\_\_ /Notes

Date: \_\_\_\_\_

Geometry: Worksheet 1.1

Vocabulary:

	Diagram	Notation
1. Point:		A

2. Line:		$\overleftrightarrow{BC}$ m
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3. Line Segment:		$\overline{DE}$ $\overline{ED}$
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4. Ray:		$\overrightarrow{FG}$
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5. Angle:		$\angle I$ $\angle 3$ $\angle HIJ$ $\angle JIH$
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6. Triangle:		$\triangle KLM$ $\triangle MLK$ $\triangle LKM$ $\triangle KML$ $\triangle MKL$ $\triangle LMK$
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ability that it is within 6 units of Q? 34) Given

Checking for understanding. Answer questions 1-6.

1. *always, sometimes, never*: A line can have a length of 6.5 feet.

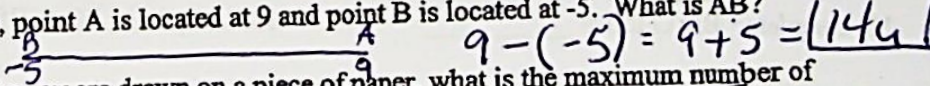
lines are infinite in length

2. *always, sometimes, never*: An angle is named using only one letter.

3. *always, sometimes, never*: A triangle is named by listing its three vertices in any order.

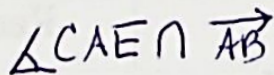
4. *always, sometimes, never*: A line segment can have a length of 1.3 miles.

5. *completion*: On a number line, point A is located at 9 and point B is located at -5. What is AB?

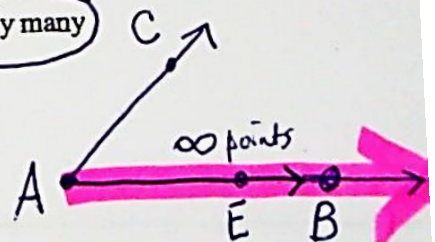


6. *multiple choice*: An angle and a ray are drawn on a piece of paper, what is the maximum number of points at which the two figures could intersect?

- A. 0      B. 1      C. 2      D. 3      E. infinitely many



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Use the diagram shown to answer the following questions 7-19.

7. multiple choice: Name the "overlap" intersection of AC and BD.

- A. point e    B. point C    C. point E

8. multiple choice: Name the vertex of  $\angle DEF$ :

- A. point D    B. point E    C. point F

9. completion: name  $\angle DEF$  in three other ways:  $\triangle FED$ ,  $\triangle CED$ ,  $\triangle DEC$

10. multiple choice:  $\overrightarrow{CE}$  passes through the following points except:

- A. G    B. A    C. E    D. F

11. multiple choice: All of the following are acceptable ways of naming line  $m$  except:

- A.  $\overleftrightarrow{AC}$     B.  $\overleftrightarrow{ECF}$     C.  $\overleftrightarrow{AF}$     D.  $\overleftrightarrow{CF}$     Use any two points to name a line!

12. true or false:  $\overline{AC}$  determines the same set of points as  $\overline{CA}$ .

13. true or false: Point D is the endpoint of  $\overrightarrow{BD}$ .

14. true or false:  $\triangle ABC = \overline{AB} \cup \overline{BC} \cup \overline{CA}$ .

15. complete:  $\angle GEB$  is the union of  $\overrightarrow{EG}$  and  $\overrightarrow{EB}$  and has point  $E$  as its vertex.

16. complete:  $\overline{GC} \cap \overline{AF} = \overline{AC}$     17. complete:  $\overrightarrow{EA} \cap \overrightarrow{BC} = \emptyset$  (null)

18. complete:  $\overrightarrow{BD} \cup \overrightarrow{DB} = \overleftrightarrow{BD}$     19. complete:  $\overrightarrow{FC} \cap \overrightarrow{BD} = E$

