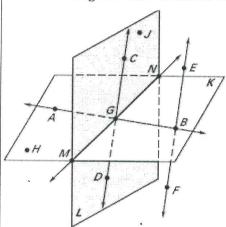
1. Use the diagram below to answer the following questions.



- a. Give five other names for \overrightarrow{AB} . BA, AG, GA, GB,
- b. Give another name for \overline{CG} .
- c. Give another name for \overrightarrow{FB} .
- d. Name all rays with endpoint G e. What ray is opposite GC?
- f. Are points A, G, and N collinear?

- g. Are points A, G, and N coplanar?
- h. Name the intersection of \overrightarrow{AB} and MN Point G
- i. Name the intersection of \overrightarrow{CD} and plane ABH.
- j. Name the intersection of plane Kand plane L. \leftarrow
- k. Name the intersection of \overrightarrow{EF} and plane K.

2. Use the diagram below to determine whether each statement is TRUE of FALSE.

a. Point *X* lies on line *m*.

ralse

b. *X*, *W*, and *Z* are collinear. False

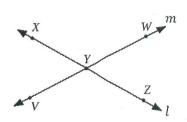
c. Point W lies on VY.

talse d. X, W, and Z are coplanar. e. line *l* and line *m* meet at point *Y*

f. \overrightarrow{VW} and \overrightarrow{VY} are the same rays.

g. \overrightarrow{YX} and \overrightarrow{YV} are opposite rays. False

h. \overrightarrow{YW} and \overrightarrow{YV} are opposite rays.



me 3. Circle all undefined terms.

Plane Angle

Square

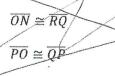
Ray Point

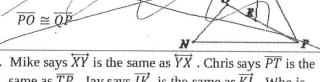
Segment Line

Area

Parallel

4. Mark the diagram based on the statements below.





5. Name a point that is coplanar with each of the given

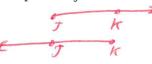
a. M, N, and O,

b. T, Q, and P, M

c. T, S, and R, Q

d. O, S, and R, Λ

6. Mike says \overrightarrow{XY} is the same as \overrightarrow{YX} . Chris says \overline{PT} is the same as \overline{TP} . Jay says \overrightarrow{JK} is the same as \overrightarrow{KJ} . Who is wrong? Explain why.



7. Which of the following is the definition of a ray?

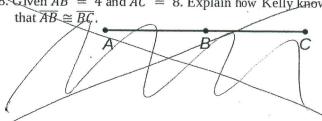
A. a part of a line consisting of two points and all of the points between them

B. a point on a line segment that is not directly in the middle.

C. a part of a plane that consists of points that are collinear.

D) a part of a line consisting of an endpoint and all the points of the line on one side of the endpoint.

8. Given AB = 4 and AC = 8. Explain how Kelly knows



9. "Two lines always intersect at exactly one point". Which diagram can be used to prove this statement is false?

