

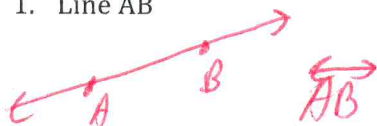
Name: Answer Key

Date: _____

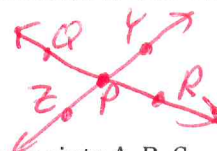
Points, Lines Planes Review

Draw the following figures and label each diagram.

1. Line AB



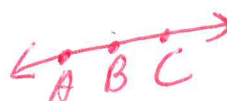
6. Line QR intersect Line YZ at point P



2. Point K



7. Collinear points A, B, C

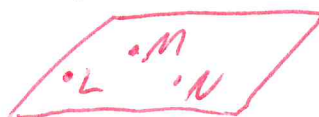


3. Segment CD



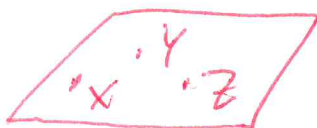
$\overline{CD}$

8. Coplanar points L, M, N



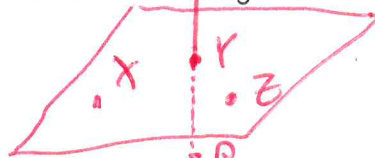
Plane LMN

4. Plane XYZ

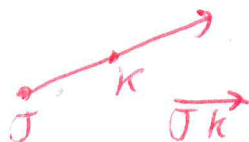


Plane XYZ

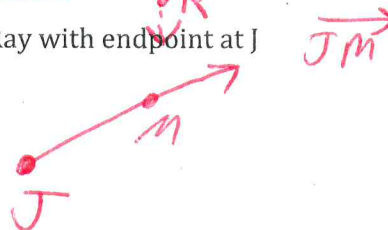
9. Line RS intersecting Plane XYZ



5. Ray JK



10. Ray with endpoint at J



11. Explain the difference between a point a line and a plane.

Point - is a location with no size.

Plane - 2-D flat surface that extends forever in all directions.

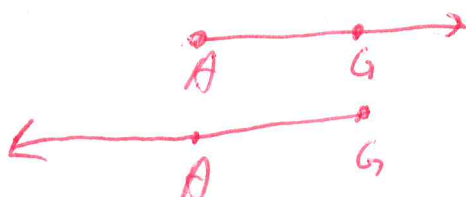
Line is an infinite string of points that goes on forever in two directions.

12. Explain the difference between a line a segment and a ray.

A line segment has two endpoints and consists of the two endpoints and all the points in between.

A ray has one endpoint and consists of that endpoint and all the points in one direction.

13. Explain why the symbols $\overrightarrow{AG}$ and $\overleftarrow{GA}$ do not represent the same geometric figure.



They do not contain the same set of points. They go to infinity in opposite directions.

