

G2: Vocab Unit 1

I.) At the board:

First Marker:

1.) Draw **Point** P and label it.

- Write its notation (name with letters and symbols)

Second Marker:

2.) Draw a **line** (check: does it have arrowheads?)

- Label it AB (capitals)
- Write its notation
- Write the notation another way
- Another way is to label it with one lowercase script letter. Label it m .
- What is the minimum number of points to make a line?
- How many points are on this line?
- A counterexample is something that proves it false. Draw a counterexample of a line.
- What are some real life examples of a line?

→ Shift and look at neighbor's work. Does it match yours? Do we need to make any corrections? Discuss. Move back to your original.

Third Marker:

3.) Draw a **line segment**.

- Label it CD.
- Write its notation
- Write it another way
- What is the minimum number of points to make a line segment?
- How many points are on this line segment?
- What are some real life examples of a line segment?
- We could say points C and D are **collinear** - what must this mean?

Fourth Marker:

4.) Draw a parallelogram:

- Imagine this does not have any edges and goes on forever.
- This is called a what? **Plane**.
- How many minimum points to define a plane?
- Label this EFG. (Check: did you put all three points in a line?)
- Name this plane.
- Write its notation.
- How many points are on this plane?
- How many lines are in this plane?
- What might be a good vocab word for points in a same plane? **Coplanar**

→ Shift the other direction and look at this neighbor's work. How does it look? Discuss.

5.) Fifth marker:

- Draw **Ray** HI
- Draw Ray IH What do you notice?
- Write the notation for each
- Draw points JKL on the same line
- Use this to name 3 different rays
- Which of these might be **opposite rays**?
- Name a pair of the same ray
- What is an example of a ray?

6.) Sixth marker:

- Draw an acute **angle**
- Label it $\angle ABC$
- We use the less than symbol for the angle notation
- What is another way to name this?
- And a third way?
- Name an incorrect way to name this
- What is a real life example of an acute angle?

→ Shift original direction and discuss.

II.) Back to desks and open notebooks for an individual challenge:

- 1.) Draw a large Plane R.
- 2.) Draw Point P in R.
- 3.) Draw Line MP intersecting Plane R
- 4.) Draw Line AP in Plane R
- 5.) Draw Point T not in Plane R
- 6.) Draw Point S in Plane R
- 7.) Draw Ray PS
- 8.) Is Ray PS in Plane R? (yes)
- 9.) Name 3 different angles. ($\angle NPM$, $\angle SPN$, $\angle SPM$, $\angle SPT$, $\angle NPT$, $\angle MPT$)

III.) Now, copy your board notes into your notes for your daily notes today.

IV.) Desmos Pomegraphit

V.) Desmos Math and Me