* **Definition**-A statement that clarifies or explains the meaning of a word or phrase. **Point, line and plane are undefined** even though they are the basis for all Geometry.
* **Point-**Most basic building block. No size. Only has a location. Represented as a point. Labeled with a capital letter.

 **.** Point **P**

* **Line**-A straight and continuous arrangement of infinitely many points. No thickness. Extends forever. Name a line by giving the letters of any two points and putting a line symbol above it.



 $ \leftrightarrow $

 AB

* **Plane**-Has length and width, but know thickness. A flat surface that that extends infinitely along its length and width. Labeled with a capital script letter.

 i.e. **Plane P**

* **Collinear**-Means points on the same line



* **Coplanar**- Means on the same plane.

i.e. Points A, B and C are Coplanar



* **Line** **Segment**- Two points called end points of the segment and all the points in between are collinear. The are labeled with the line segment symbol-a simple line.



$- $$-$

i.e. AB DC

* **Congruent**- Have equal measures or lengths. 
* **Midpoint** – The point on a line segment that is the same distance from both endpoints.



* **Ray**- Begins at one point and goes in one direction indefinitely

  i.e. Rays S and R