

I. "Undefined" Terms

- 1.) Point

- 2.) Line

- 3.) Plane

II. Definitions

- 1.) Segment (or "Line Segment")

- 2.) Ray (not a drop of golden sun)

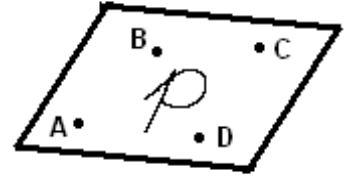
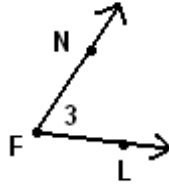
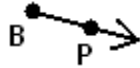
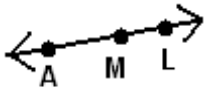
- 3.) Angle

- 4.) Collinear Points
- 5.) Coplanar Points

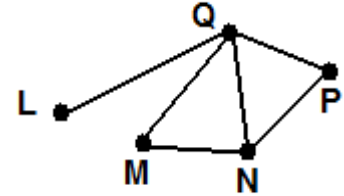
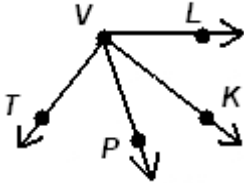
III. Postulates

- 1.) Two lines intersect to form a _____
- 2.) Two planes intersect to form a _____
- 3.) Through any two points there is exactly one _____
- 4.) Through any three non-collinear points there is exactly one _____
- 5.) If you take two points in a plane, then the line containing those points must _____

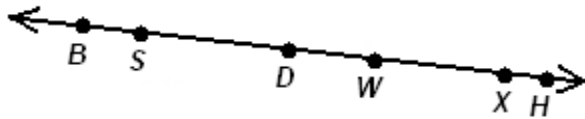
[EX1] Name the following figures.



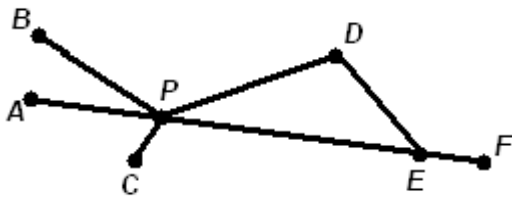
[EX2] How many different angles are there in each figure? Name them!



[EX3] How many different segments are there in the figure? Name them!



[EX4] (A) State all line segments in the figure.
(Assume if segments look straight the points are collinear.)



(B) What is the probability that a randomly chosen line segment in the figure contains point F?

(C) What is the probability that a randomly chosen line segment in the figure contains point E?