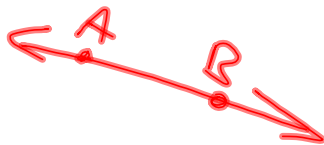


Point:

- * *no size or shape*
- * It is a location
- * Named by *single letter*
- * In words--- " *point A* "
- * Drawn as a dot (so we can see where it is.)

**Line:**

- * Made up of *infinitely many points.*
- * Does not have thickness
- * Named by a lower case letter: *line d*
- * Named by *AB*
- * Through any *2* points there is only 1 line.



Collinear:

* When points are on the same line

**Noncollinear:**

* When points are not on the same line.

Plane:

- * A flat 2D surface.
- * Extends in both directions forever.
- * Does not have any depth.
- * Only one plane can go through 3 noncollinear points.
- * Named by a single letter, or 3 points on the plane. Plane r, Plane ABC



Coplanar:

- * points that lie on the same plane.
- * lines that lie on the same plane.

Undefined Terms:

- * Terms that we don't define to help us define terms easier.
- * Geometry terms that are undefined are:

Point, line, plane

Space:

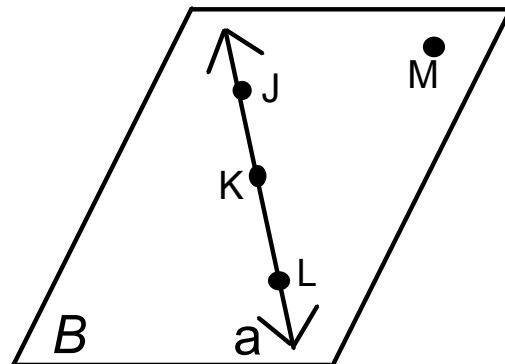
- * 3D
- * Contains points, lines and planes.

EXAMPLES:

1. Use the figure below to name each of the following.

a. a line containing point K.

JL *line a*



b. a plane containing point L

Plane B
Plane JLM

2. Name the geometric shape modeled by each object.

a. the long hand on a clock

line

b. a 10' x 12' patio

Plane

c. the location where the corner of a driveway meets the road.

Point