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Points, Lines and Planes

Terminology

Point
- a location in space
- has no specific size or shape

Labeling
- Dot with a Capital Letter

A• → Point A

Line
- made up of an infinite number of points

Labeling
- Two upper case letters, with a line symbol above.
- One lower case cursive letter

B   C   Line BC

m   Line *m*

Collinear
- minimum of 3 points that lie on the same line.

S W D

•
M

Points S, W and D are collinear
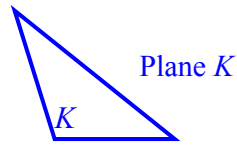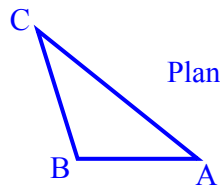
Points S, W, D and M are non-collinear

Terminology

Plane
- a flat surface created by a minimum of 3 non-collinear points

Labeling
- Minimum of 3 upper case letters
- One upper case cursive letter

C

B   A

Plane ABC

Plane K

K

Coplanar
- 3 or more points that lie within the same plane

D

P

T

E
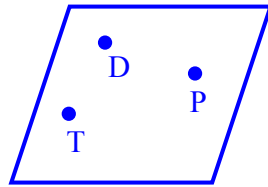
Points T, D and P are coplanar

Points T, D, P and E are non-coplanar