

Geometry - Basic Terms

I. Three Undefined Terms

1. Point (no size, represent a location named by CAPITAL letters)
2. Line (no thickness, extend forever in both directions)
3. Plane (represents a flat surface extends infinitely)

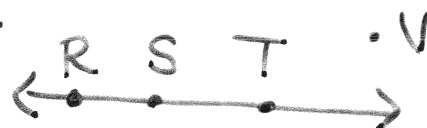
II Collinear Points

Points all lie on one line

• R, S, T are collinear points

• U, S, V are three points that

do not all lie on one line (noncollinear)

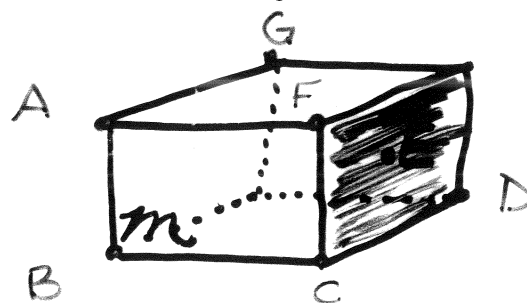


III Coplanar Points

Points all lie on one plane

Points A, B, & C are coplanar

Points A, B, D & E are non coplanar



IV Naming Geometric Figures.



line AB, \overleftrightarrow{AB} , line m , or m



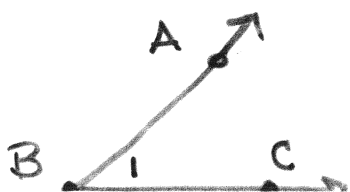
segment CD, or \overline{CD}

endpoints C and D



ray LM, or \overrightarrow{LM}

endpoint L



$\angle ABC$, $\angle CBA$, $\angle B$, $\angle 1$
vertex B, sides \overrightarrow{BA} , \overrightarrow{BC}



plane NMO

or

plane R

Opposite rays - two rays with a common endpoint that form a line

Name each of the figures.

