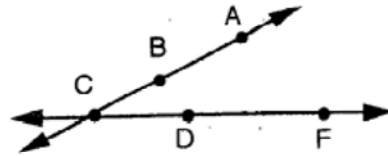
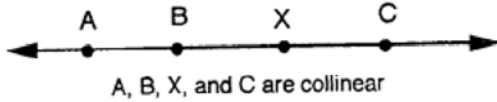


Basic Definitions and Relationships

Space - the set of all points.

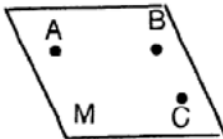
Collinear points - points on the same line



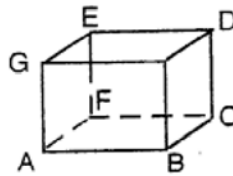
Name 3 collinear points. _____

Name 3 non-collinear points _____

Coplanar points - points on the same plane



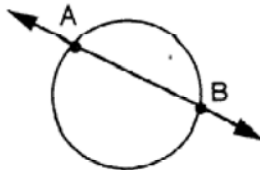
A, B, and C are coplanar



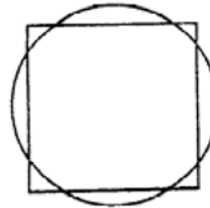
Name 4 coplanar points. _____

Name 4 non-coplanar points _____

Intersection of two figures - set of points both figures have in common



The intersection of the line and the circle is two points A and B.

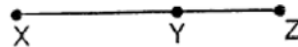


How many points are in the intersection of the square and circle? _____

Line segment - two endpoints and the points in between

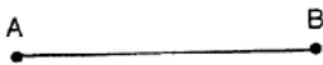


The length of \overline{AB} is symbolized AB

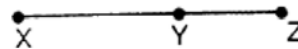


Use symbols to indicate the 3 segments shown. _____

Length of a segment - number of units from A to B

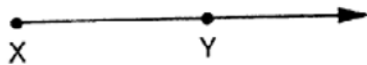


Line segment AB symbolized by \overline{AB}

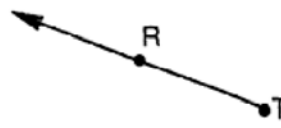


How is the length of \overline{YZ} symbolized? _____
 What does XZ mean? _____

Ray - half a line



Ray XY is symbolized \overrightarrow{XY}



How would you symbolize this ray? _____
 Is \overrightarrow{RT} the same ray? _____