




Name : _____

Points, Lines and Planes

Point	Line	Line segment	Ray	Plane
A point is a location determined by an ordered set of coordinates.	A line is a collection of points along a straight path with no end points.	A line segment is a piece or a part of a	A ray starts at one point and continues infinity.	A plane is a flat surface that is indefinitely large with zero thickness.
A point has zero dimensions.	A line has one dimension.		has one dimension.	A plane exists in two dimensions.
Diagrammatic representation: • P	Diagrammatic representation 		Diagrammatic representation: 	Diagrammatic representation: 
The symbolic representation of a point is P or Point P	The symbolic representation of a line is \overleftrightarrow{AB} or \overleftrightarrow{BA}	line segment is \overline{XY} or \overline{YX}	Symbolic representation of a ray is \overrightarrow{PQ}	The symbolic representation of a point is Plane EFG or Plane \mathcal{T}

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