


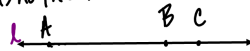
1.1 Euclid
Euclidean Geometry

Point .A

* Indicates a location
Points have no size
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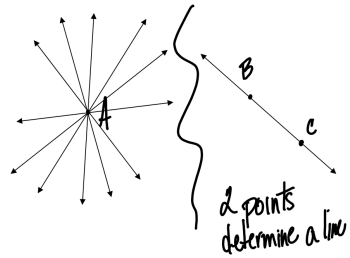
Line 
Set of points that extends indefinitely
in opposite directions.

Straight
Has no thickness



line \overleftrightarrow{AB} \overleftrightarrow{BA} \overleftrightarrow{BC} \overleftrightarrow{CB}

Named using 2 capital letters
Symbol above
Single lower case letter



Plane .

Flat surface that extends indefinitely
in all directions made up
of infinitely many points
3 noncollinear points determine
a plane

Collinear points on the same line

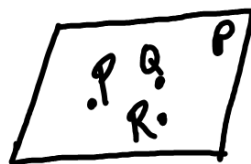


• D

Non collinear points not on the same line

3 noncollinear points determine a plane

Plane



P

P

plane P
□ P

plane PQR