

## What is a **Point**?

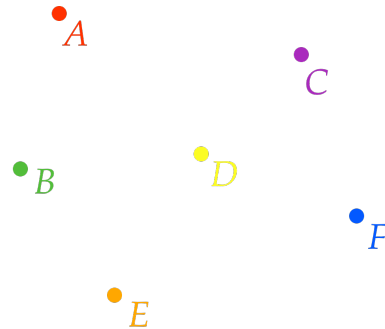
an entity that has a specific **location** in space

Refers to a specific location

Points have no size

Represented by a dot

Use capital letters to name



## What is a **Line**?

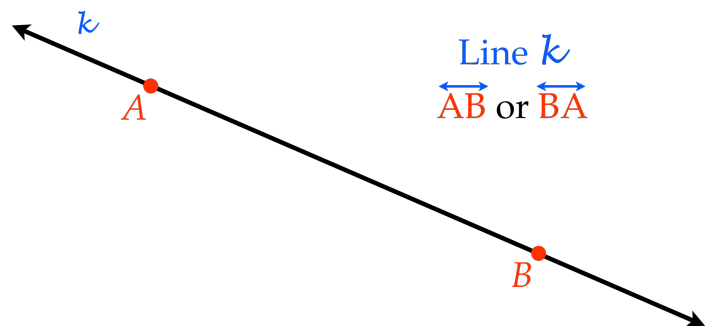
an infinitely-extending one-dimensional figure that does not curve

Straight path

Has no thickness

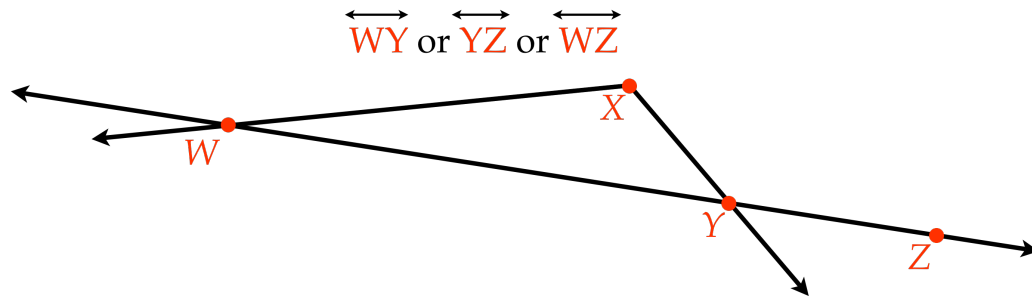
Extends forever

Name Lines with a lowercase letter or **two points** on the line.



## What is a Line?

an infinitely-extending one-dimensional figure that does not curve



Collinear

Points that lie on the same line.

W, Y, and Z are collinear.

Non-Collinear

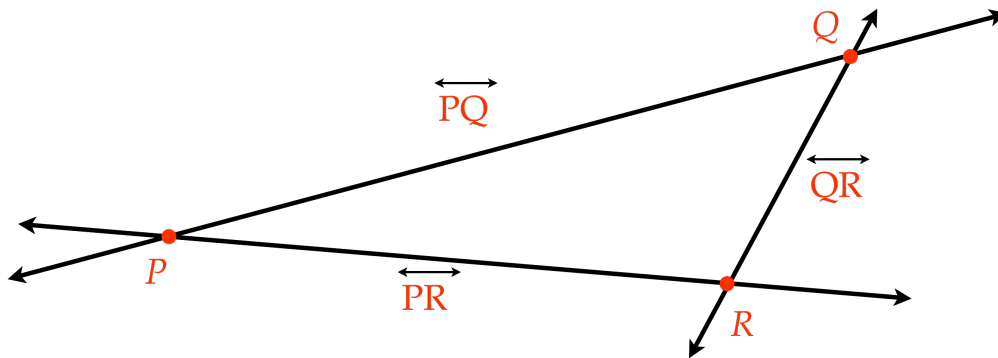
Points that do not lie on the same line.

W, X, and Y are non-collinear.

## What is a Line?

an infinitely-extending one-dimensional figure that does not curve

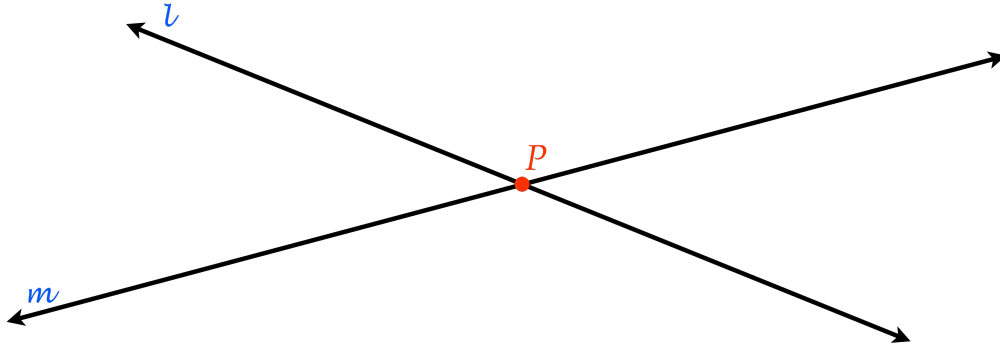
Through any two points there is exactly one line.



# What is a **Line**?

an infinitely-extending one-dimensional figure that does not curve

Two **lines** intersect at exactly one **point**.



Line  $l$  and Line  $m$  intersect at **point**  $P$ .

