2.18

GEOMETRY

POINT

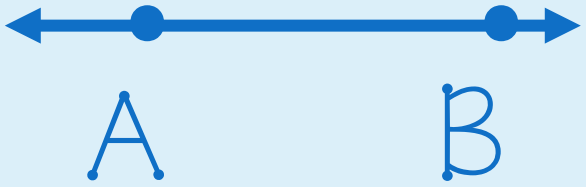
- A position or location in space
- A point is always named with a capital letter

•X

Symbol: X

LINE

- A series of points having no endpoints an continuing forever (infinitely) in two directions.

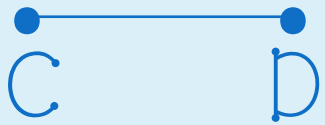


Symbol: $\overleftrightarrow{}$

$\overleftrightarrow{AB}$ or $\overleftrightarrow{BA}$

SEGMENT

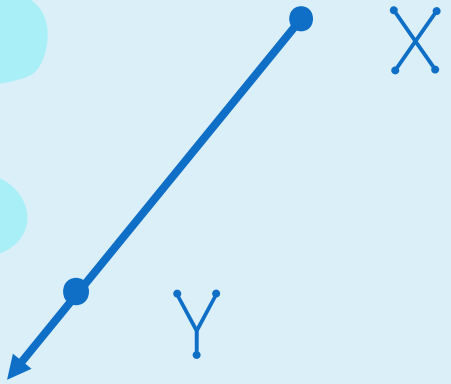
– A piece of a line made up of two endpoints an all the points between those endpoints.



Symbol: $\overline{CD}$ or $\overline{DC}$

RAY

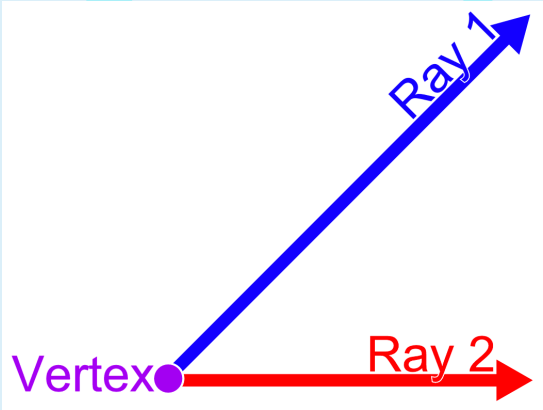
- A series of points having one endpoint and continuing forever in one direction
- When naming a ray, the endpoint must be named first.



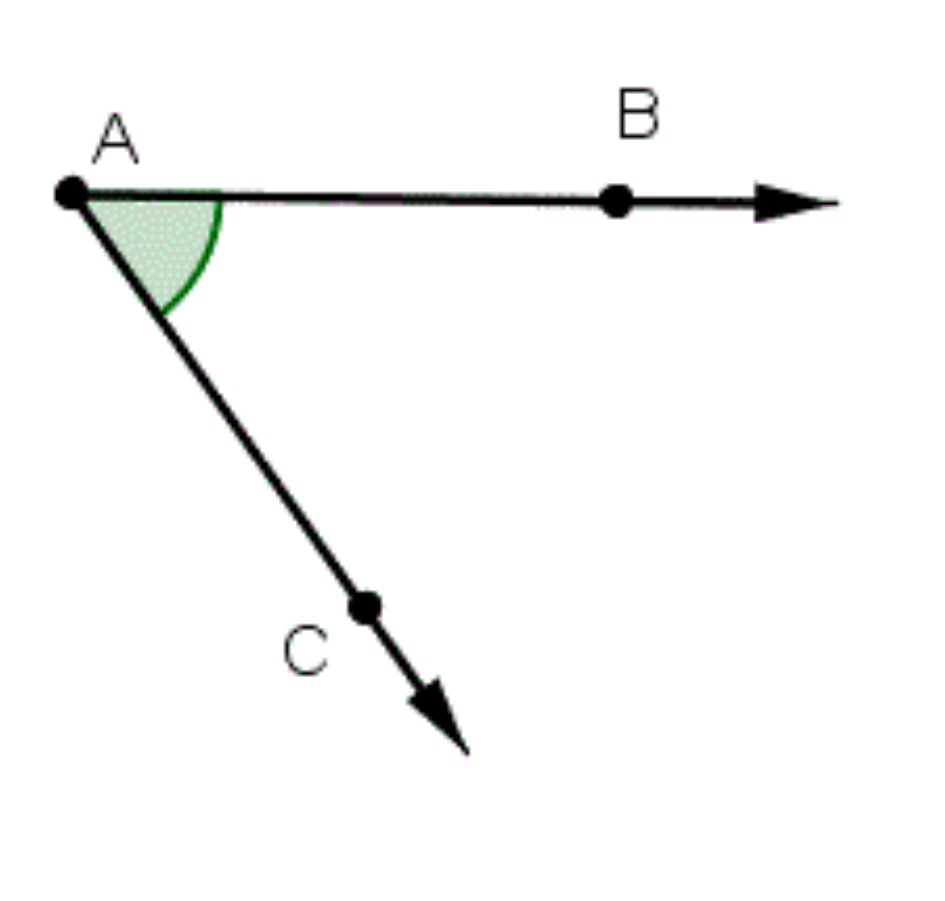
Symbol: $\overrightarrow{XY}$
(X is the endpoint of the ray)

ANGLE

- An angle is formed from the union (joining) of two rays with a common endpoint
- The common endpoint of these rays is known as the vertex of the angle



ANGLE

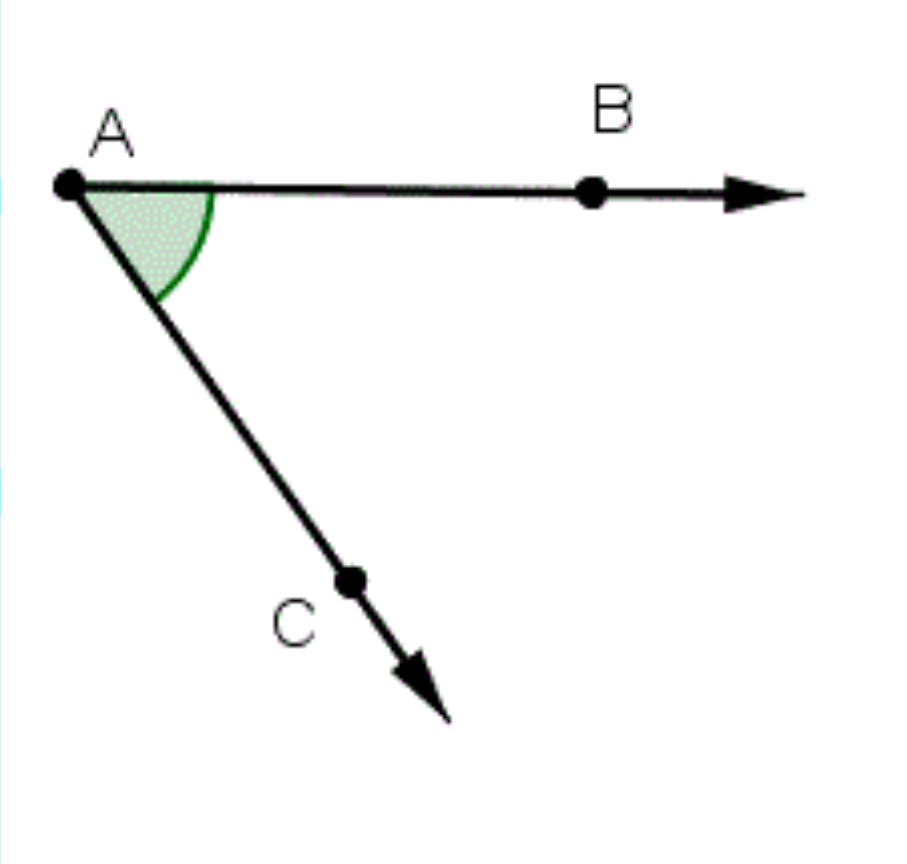


Symbol: $\measuredangle BAC$ or $\measuredangle CAB$

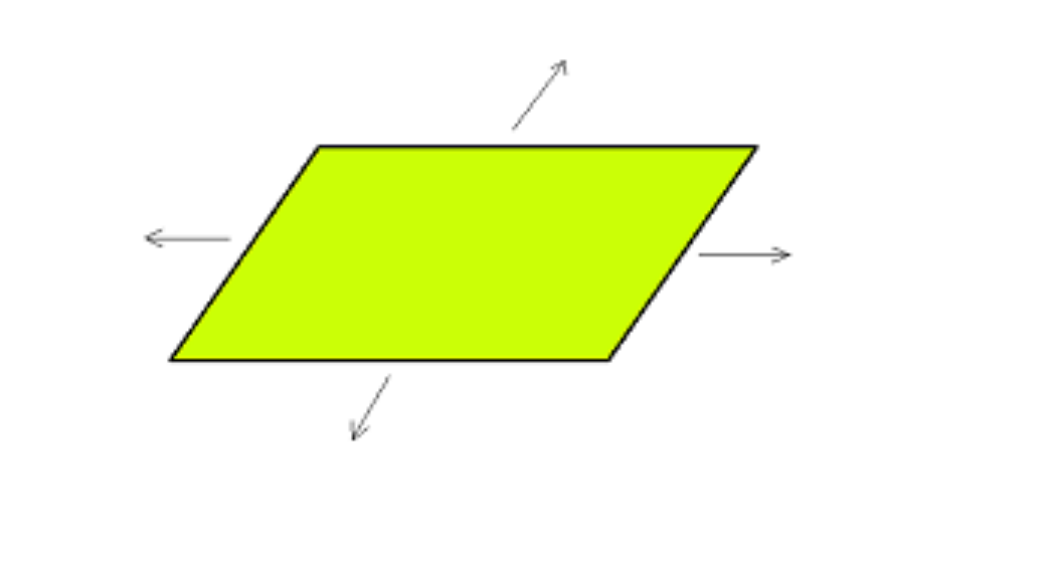
Vertex: A

$\overrightarrow{AB}$ and $\overrightarrow{AC}$ are the rays that make up the angle

NAME OF ANGLE



- Name for the angle:
  - ∡ BAC or ∡ CAB or
  - ∡ A
    - *Notice that whenever three letters name the angle, the vertex must be the middle letter.*

PLANE

- A plane is any flat surface extending endlessly in all directions