B

A

A

A C B

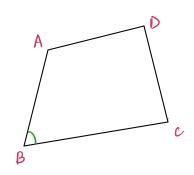
point of intersection

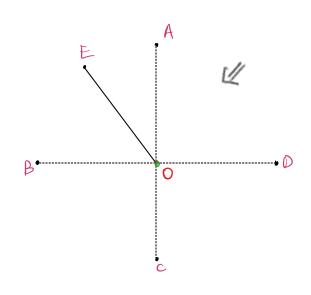
Terminologies:

- · Point: Somenhue in space Point C 4 Vertex Vertices
- [AB] . Line segment: can calculate the length.
- [A,B) . Ray : and he youd Ray AB
- (AB). Line AB
 - · Cofinear A.B., and C are colimear
 - · Concurrent These lines are concurrent
 - · Parauler Two trues have the same distance to each other. They will never meet!
 - Intersecting lines meet somewhere in space
 ⇒ Point of intersection

A ______







Terminologies:

· Three point notation

ABC means the angle at B

- · Revolution
- 360°
- AOP

- · Straight angle
- 1800
- BOD

- · Right angle
- 900
- BOC
- · Acute angle <90°
- EOB
- · Obtuse angle >90° <180°
- ZÓD
- Reflex angle >180° < 360°
- COB

- Degree
- $0 360^{\circ}$
- * Radram
- 0 211

Angle properties

· 360°

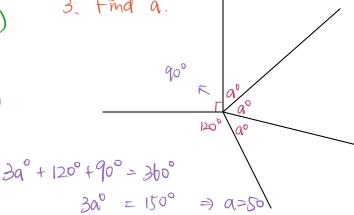
Angles at a point ++ > 200°

- 180°
- at a line ++ => 1800
- > Supplemently (AOD, DOC)
 - (AOE. EOC)

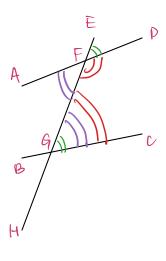
- 90°
 - ⇒ Complementry (AOE, EOB)

Example:

- 1. What angle size is the Supplement of 48°? 132°
- 2. What angle size is the complement of 48°? 42°
- 3. Find a.



A D C



Terminologies:

- · Vertically opposite angles (CôD, AôB)
- · Transversal (EH)
- · Angle pairs:
 - · Corresponding (same position) EFA, FGB
 - • Alternate copposite sides, between)

 BGF DFG

 BH AD, BC
 - Conterior (same side, between)

 AFG BOTT
- · Angle pairs: PARALLEL CASE
 - · Corresponding (same position)

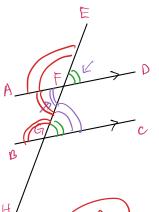


· Alternate copposite sides, between)

Equal

o Comperior (same side, between)

Adds up to he 1900



Supplementry (AFE)

AFE + AFG = 180°

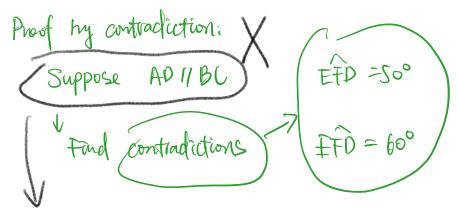
Example: 1. if EFD = 55°, and AD 11 BC.

Find HGC = 180°-55° = 125°

2. if D79 = 120° and CG7 = 50°,

=> Are AD and BC parallel lines? No.

) Are EH and AD perpendicular? No



AD not parallel to BC

End of chapter assignments:

Page 53 Review Set 2A

Problem 3B, 6B, 6C, 9D, 10A

Page 55 Review Set 2B

Problem 5 8A, 8B