Congruence Axioms

AIB district pts, A' any pt, on any ray.

3! B' st. B'+A' & AB = 1/B'

C.2 Transitivity for congruence of segments ? (AB=AB)

C-3 Sum of consment segments is conserved

A B B C ABN BLEBC -> AC = A'C'

A' & B' & C'

C-4 Any given angle can be laid off.

Given A & 2 & A' B' , & C' S. & < C'A'B' \( \text{CAB} \)

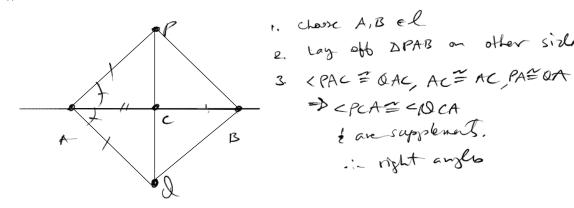
C-5 transtinty of congruent angles

0

C-4 SAS



This Given die l, point P 3 le m, mil the P.



1. Chara A,B el

e Lay off DPAB on other side (QAB)

thm (Pappus) (Exclid 1.5) the base angles of an wordles & are = .

(we've seen Pons Asinorum)

(B Comegoulare

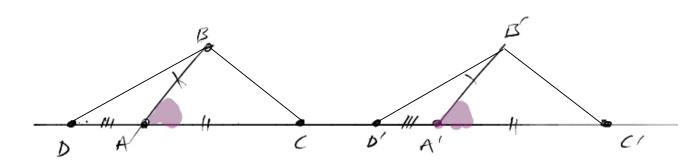
ABC = CBA

CABC = CBA

How LBAC = CBA

LABC = CBA

## Prog. 3.14 - Supplements of = anylo are =



Prop. Vertical Angles are Equal.

know: supplements of = are =

LABE = LABE

LABC is supplement of LABE

LABC is supplement of LABE

LABC = Supplement of LABE

PAP. => LABC = LDBE

