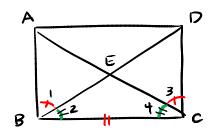
Section 3.5 pgs. 140 – 141 #6, 8 - 10, 12

#6 Given: 21 is comp. to 22

23 is comp. to 24

41 = 43

Conclusion: AB ≅ CD



Statements

- 1) 21 is comp. to 62
- 2.) 23 is comp. to 24
- 3.) 41 = 43
- 4) 42 = 24
- 5) LABC = LDCB (A)
- 6) BC = BC
- 7.) DABC = DDCB
- 8.) AB = CD

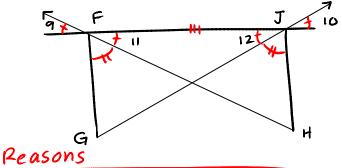
Reasons

- 1.) Given
- 2.) Given
- 3.) Given
- 4) If 2 41s are comp. to = 41s -> x1s =
- 5) Addition property
- 6) Reflexive property
- 1) ASA (4,6,5)
- 8.) CPCTC

Given: 29=210 #8

LGFH= LHJG

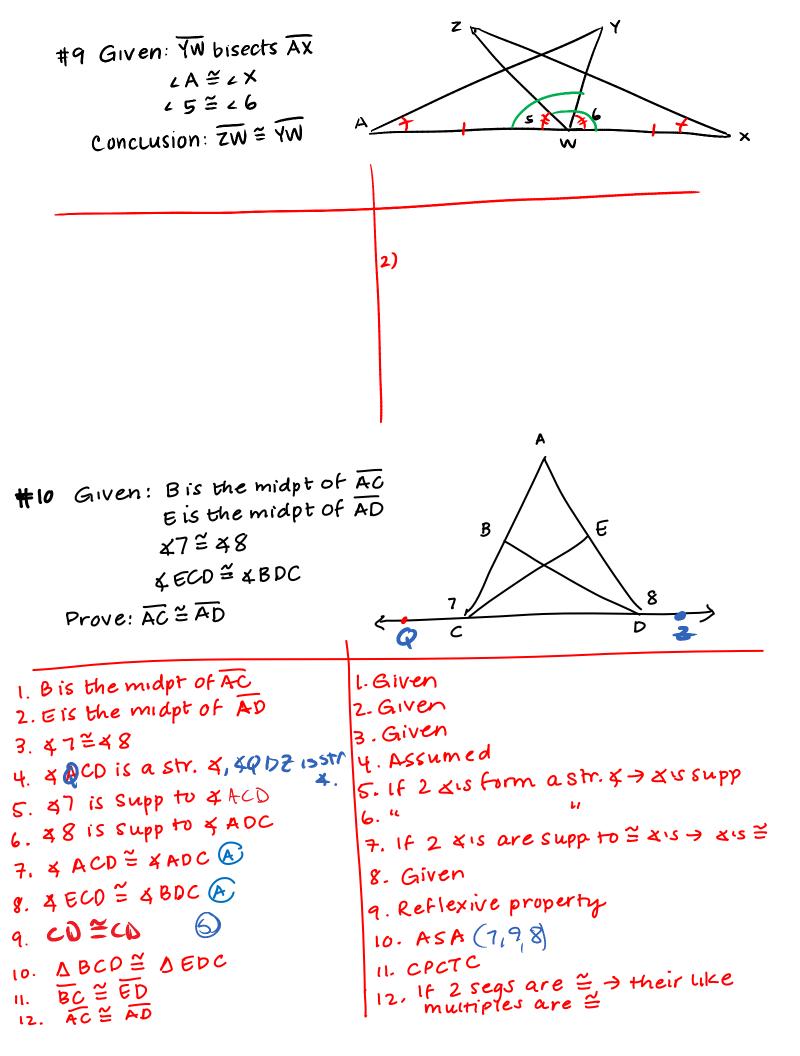
Conclusion: FG = JH



Statements

- 29 and Lil one v.t.
- LIO anotizare V.A
- 211=42
- 5) 4GFH= 4HJG
- 6) 2GFJ = 2HJF (+)
- 7)FJ=FJ
- 8.) △GFJ = △HJF
- a) FG ≅ JH

- 4) Transitive prop. (If 2 &15 are = +0 = &15 → 415 =)
- 5.) Given
- 6) Addition prop
- 7) Reflexive prop.
- 8.) ASA (47,6)
- 9) CPCTC



#12 Given HO≅MO TO≅KO HJ is an allitude of △HJK MK is an allitude of △MKJ H J O N H

Prove: 41=42

- 1. HO = MO S
- 2. Jo ≈ KO ©
- 3. XHOJ Z XMOK A
- 4. DHOJ Z DMOK
- 5. HJ is an alt. of AHJK
- 6. 4 HJK is a b
- 7. MK is an alt. of DMKJ
- 8. & MKJ ISA L
- 9. 4HJK = 4 MKJ
- 10. 43 = 44
- 11. 41 = 42

- 1. Given
- 1. Given
- 3. V·A. are ≅
- 4. SAS (2,3,1)
- 5. Given
- 6. If a seg is an alt -> forms a be with the opp. Side
- 7. Given
- 8. same as 6
- 9. If 2 x's are right x's

 3 xis \(\frac{2}{3}\)
 - 10. CPCTC
 - 11. If 2 = 4 is are sustracted from 2 = 4 is -> differences are =