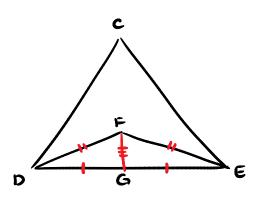
pgs. 136 - 137 #11, 14 pgs. 139 - 140 #1 - 5

Given: DF bisects & CDE EF bisects & CED G is the midpt of DE

可当时

Prove: & COE = & CED



Statements

- 1. DF bisects 4 CDE
- 2. EF bisects & CED
- Gis the midpt of DE
- 4. DG = GE S
- S. OF # FE ©
- 6 praw FG
- 7. FG & FG
- 8. ADFG = DEFG
- 9. 4 FDG Z A FEG
- 10. ¥ CDE ≅ ¥ CED

Reasons

- 1. Given
- 2. Given
- 3. Given
- 4. If apt is a midpt -> divides the seg. into 2 = seqs
- s. Given
- 6 2 pts determine a line
- 7. Reflexive prop
- 8.555(4,5,7)
- 9 CPCTC
- 10. If 2 ≥15 are = -> their like multiples are = (If 2 = 45 x2 → products =)

Given: OO and OP #14 Perimeter of $\triangle AOP = 80$

OC + DP = 16

CD is 2 units longer than OC

AO + AP + OC + CD + DP = Permeter of A AOP



DP = 16-X

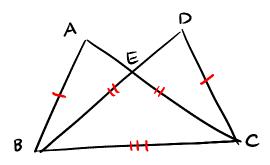
CD = X +2

because all radii are =

-x + 18 + 2x +2 = 80 3x = 42 x = 14

#1 Given: $\overrightarrow{AB} = \overrightarrow{DC}$ $\overrightarrow{AC} = \overrightarrow{DB}$

Prove: △ABC = △DCB



Statements

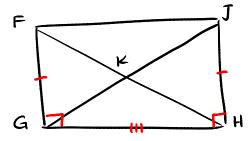
- $\overline{AB} \cong \overline{DC}$ (5)
- 2) AC = DB (5)
- 3) BC = BC (5)
- 4) DABC = DDCB

Reasons

- 1) Given
- 2) Given
- 3.) Reflexive property
- 4) SSS (1,23)

#2 Given: ∠FGH is a right ∠ ∠JHG is a right ∠ FG = JH

Prove: DFGH = DJHG



Statements

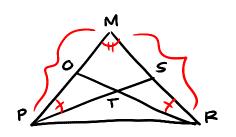
- 1) LFGH is a right x
- 2) 2 JHG is a right 4
- 3.) < FGH = < JHG (A)
- 4) FG = JH (S)
- 5) GH = GH (5)
- 6) AFGH = AJHG

- Reasons
- 1.) Given
 2.) Given
- 3) If 2 4's are right 4's > 4's =
- 4) Given
- 5.) Reflexive property
- 6) SAS (4,3,5)

#3 Given: PM = RM

∠SPM =∠ORM

Prove: DPSM = DROM



Statements

Reasons

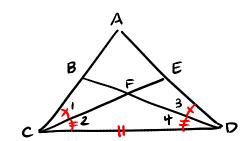
- 1.) PM = RM S
- 2) LSPM = LORM @
- 3) LM = LM A
- 4) APSM = AROM

- 1) Given
- 2.) Given
- 3.) Reflexive property
- 4) ASA (2/1/3)

#4 Given: 21 = 23 42 ≅ 4 Y

Conclusion: BC = ED

A



Statements

1) 41=43

- 2) 42=44
- 3) LBCD=LEDC A
- 4.) CD = CD
- 5.) ABCD = AEDC
- 6) BC = ED

Reasons

- 1) Given
- 2) Given
- If z=4s+2=4s > Suns =.
- 3.) Addition property
- 4) Reflexive property
- 5) ASA (2,4,3)
- 6)CPCTC

#5 K

Given: JH Z KH HG Z HM X5 Z KG

Conc: △JHG ≅ △ KHM

Statements

Reasons

- 1. 开产树 S
- 5 2. HG = HM
- 3. 45246
- 4. 4 JHG Z KHM A
- S. AJHG = AKHM

- 1. Given
- 2. Given
- 3. Given
- 4. If the same & is added to = & s

 -> sums are =
- 5. SAS (1,4,2)