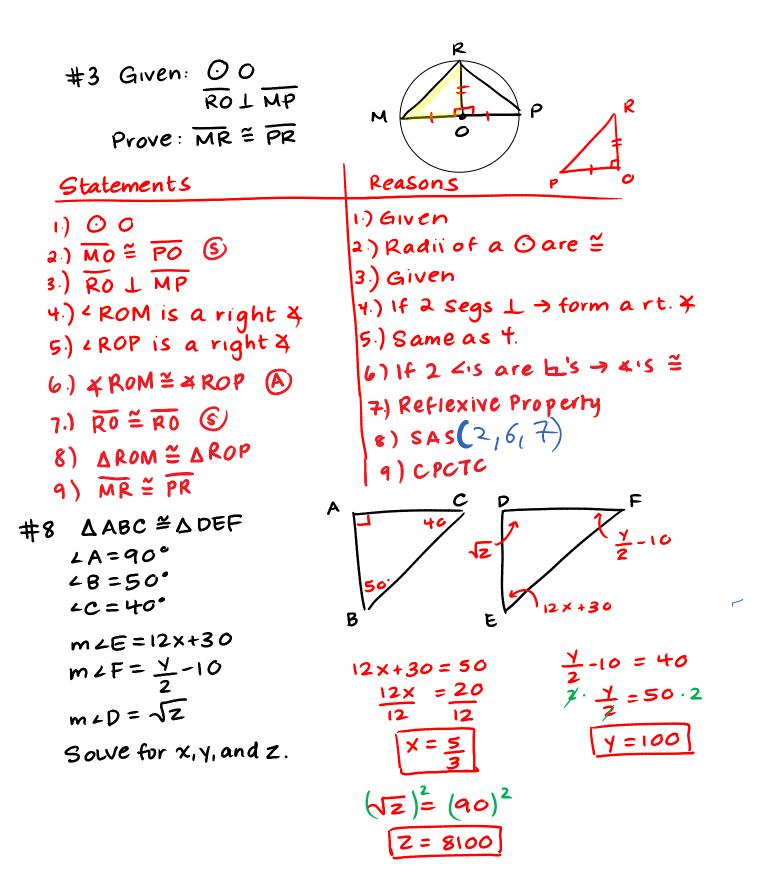
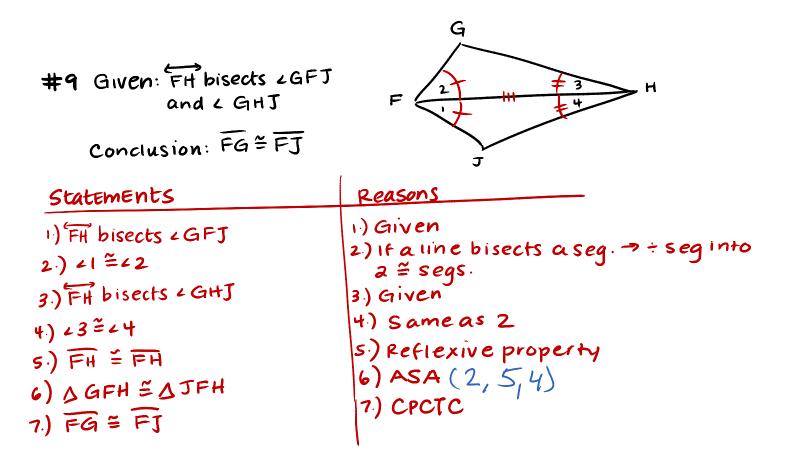
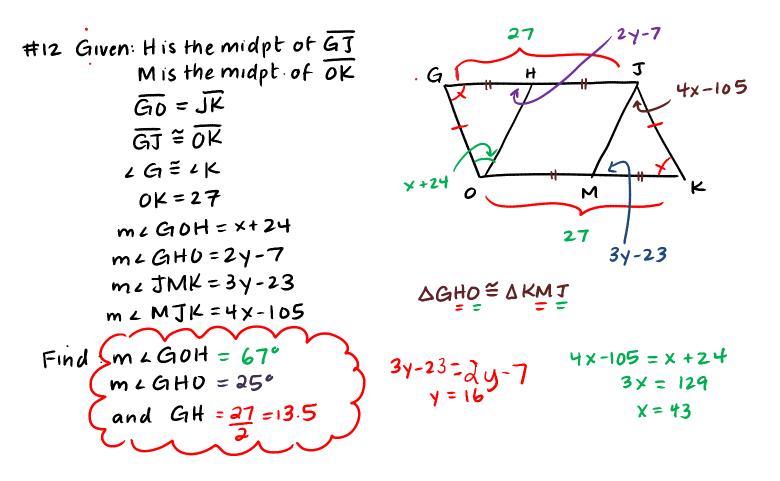
Section 3.3

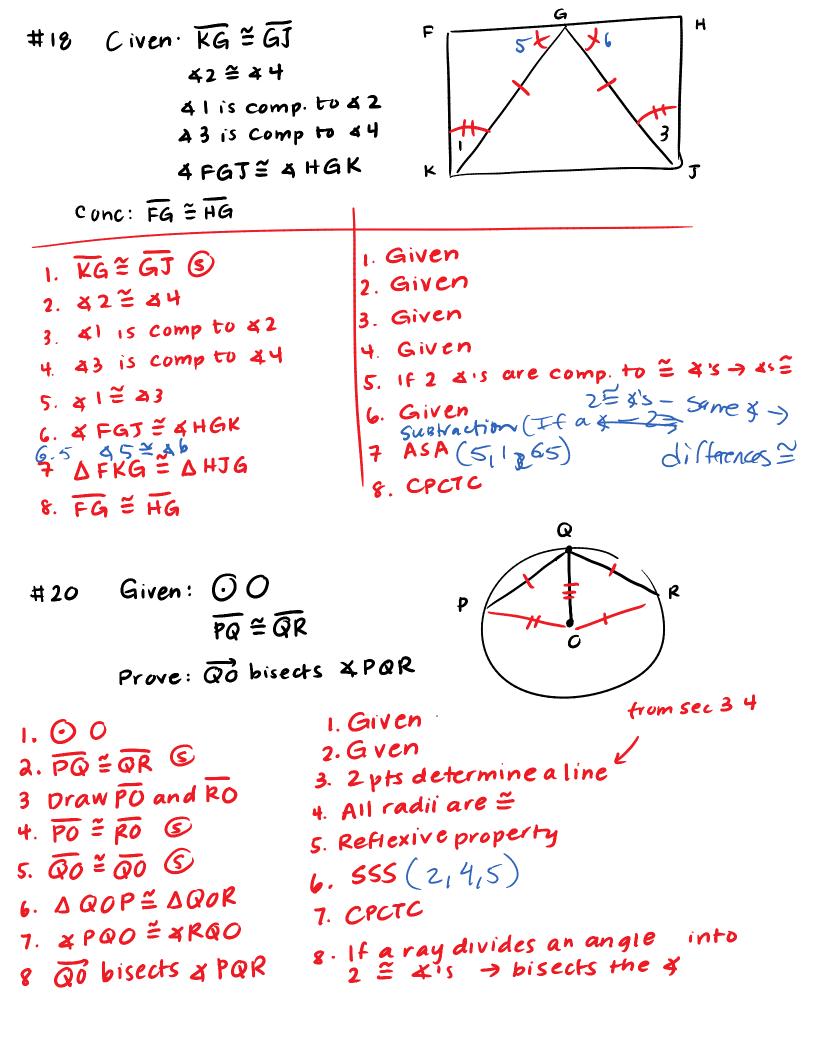
pgs. 127 - 128 #3, 8, 9, 12, 13, 16, 18, 20, 21







#13 Given: $\angle A \cong \angle E$ $\overrightarrow{AB} \cong \overrightarrow{BE}$ $\overrightarrow{FB} \perp \overrightarrow{AE}$ $\angle 2 \cong \angle 3$ PROVE: $\overrightarrow{CB} \cong \overrightarrow{DB}$, $A \swarrow$	
Statements 1.) $(A \cong \angle E \land A)$ 2.) $\overline{AB} \cong \overline{BE}$ (3) 3.) $\overline{FB} \perp \overline{AE}$ 4.) $\angle 42 \cong \angle 3$ 5.) $\angle ABE$ is a straight $\angle 4$ 6.) $\angle 1$ is supp to $\angle 42$ 7.) $\angle 4BE$ is a straight $\angle 4$ 8.) $\angle 1 \cong \angle 4$ (A) 9.) $\angle 41 \cong \angle 4$ (A) 9.) $\triangle CAB \cong \triangle DEB$ 10.) $\overline{CB} \cong \overline{DB}$	Reasons1.) Given2.) Given3.) Given4.) Given5.) Assumed6.) If 2 ars form a straight $a \Rightarrow ars supp.$ 7.) "8.) If 2 ars are supp to $\exists ars \Rightarrow ars \equiv$ 9.) ASA ($l_1 2, 8$)10.) CPCIC
#16 Given $47 = 8$ Prove: $\overline{zy} = \overline{wx}$ $\overline{zw} = 4\overline{y}$	
1. $\cancel{47} \stackrel{\sim}{=} \cancel{48}$ 2. $\overrightarrow{2Y} \stackrel{\sim}{=} \overrightarrow{wx}$ (5) 3. $\overrightarrow{2x} \stackrel{\sim}{=} \overrightarrow{2x}$ (c) 4. $\cancel{47} \stackrel{\sim}{=} \cancel{49}$ 5. $\cancel{410} \stackrel{\sim}{=} \cancel{48}$ 6. $\cancel{49} \stackrel{\simeq}{=} \cancel{40}$ (A) 7. $\bigtriangleup x \overrightarrow{2} \stackrel{\sim}{=} \bigtriangleup y \overrightarrow{2x}$ 8. $\overrightarrow{2Y} \stackrel{\sim}{=} \overrightarrow{wx}$	1. Given w $x g$ 2. Given 3. Reflexive property 4. V.A are \cong $\int (7ah) Lg oreV.A$ 5. " " 6. If 2 a's are \cong to the same a $\rightarrow a's \cong$ (Transitive 7. SAS (2, 6, 3) 8. CPCTC



#21 Given: AE = FC FB = DE ×CFB = ×AE Prove: ×1=×2	D = A = B
1. $\overline{AE} \cong \overline{FC}$	1. Given
2. $\overline{FB} \cong \overline{DE}$ (S)	2. Given
3. $\angle CFB \cong \angle AED$	3. Given
4. $\overline{AF} \cong \overline{EC}$ (S)	4. If the same seg is added to
5. $\angle AEF$ is a straight $\angle A$	\cong segs then the sums \cong
6. $\angle AED$ is supp to $\angle A3$	5. Assumed
7. $\angle CFB$ is supp to $\angle A3$	6. If 2 dis form a straight $4 \rightarrow dissupp$
7. $\angle CFB$ is supp to $\angle 44$	7. "
8. $\angle 3 \cong \angle 44$ (A)	8. If 2 dis are supp to \cong dis \rightarrow dis \cong
9. $\angle DEC \cong \triangle BFA$	9. SAS(2,8,4)
10. $\angle A1 \cong \angle A2$	10. CPCTC