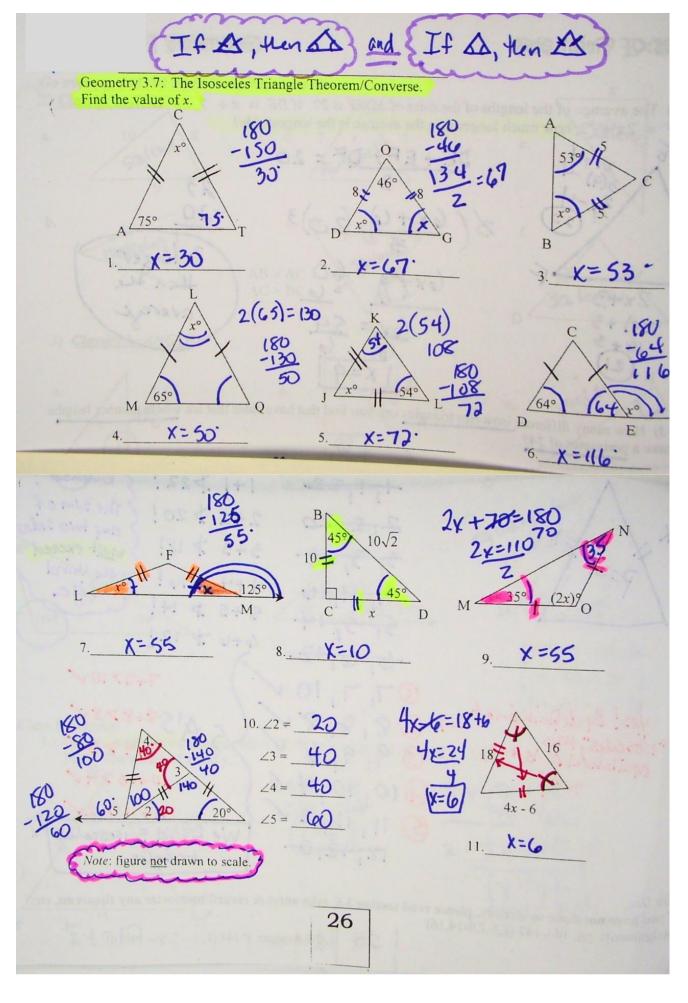
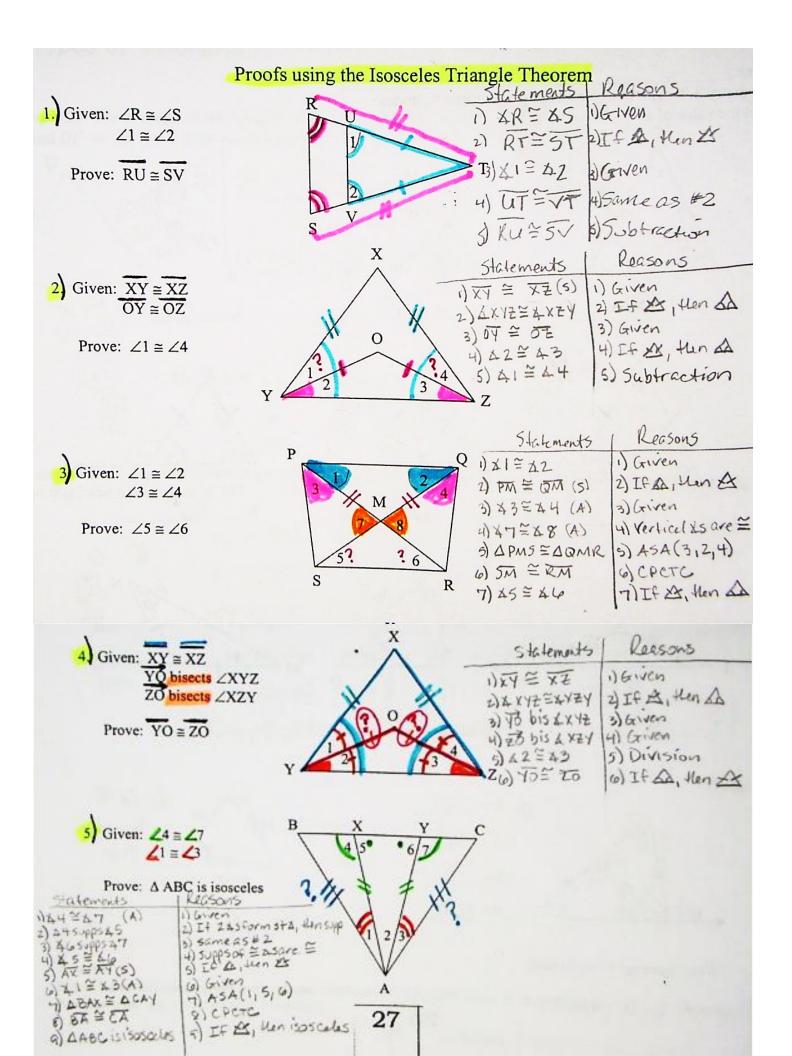
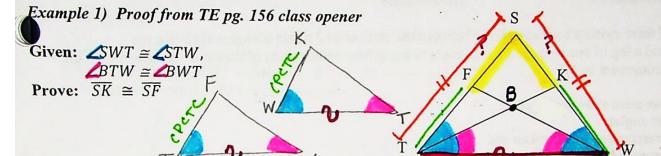
3.7 Notes: "Angle-Side Theorems"





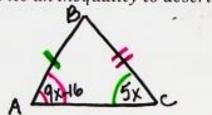
3.7 Angle-Side Theorems

Geometry Examples

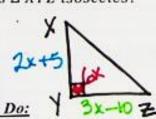


Statements	Reasons
* \$SWT = ASTW (A)	1. Given
2. ∠BTW ≅ ∠BWT (A)	2. Given
3. TW = TW (S)	3. Reflexive
4. DETW = DKWT	4. ASA(1,3,2)
5. FT \(\text{FT}\) \(\text{KW}\)	5. CPCTC
6. ST = SW	6. If A, then &
SK = SF	7. Subtraction

1.) Given: $\triangle ABC$; AB < BC; $\angle A = 9x - 16$, $\angle C = 5x$ Write an inequality to describe the restrictions on x.



2) Given: ΔXYZ ; $\overline{XY} \perp \overline{YZ}$; $\angle Y = 6x$, XY = 2x + 5, $\overline{YZ} = 3x - 10$. Is ∆ XYZ isosceles?



If you have not done so already, please read section 3.7, take notes & record/memorize any theorems.