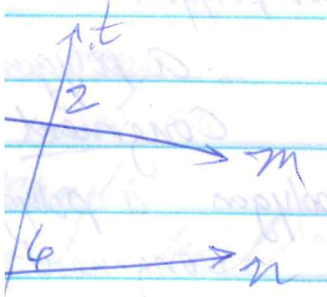


∠2 & ∠6 are
Corresponding angles

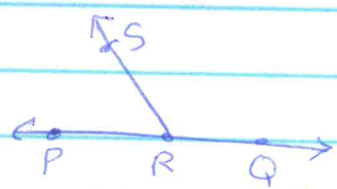
& ∠6 are
ternate interior angles

2 & ∠7 are
lternate exterior angles

4 & ∠6 are
ame-sided interior angles
(or consecutive interior ∠'s)

C-1 Linear Pair Conj. (LP)

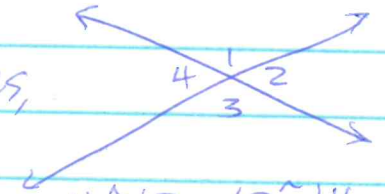
p. 132 If two angles form a linear pair, then they are supplementary. (or they add up to 180°)



∠PRS + ∠SRQ = 180°

C-2 Vertical Angles Conj (VA)

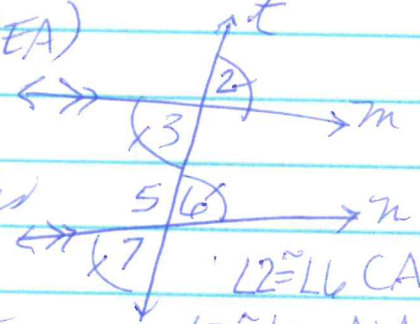
If two angles are vertical angles, then they are congruent. (or have equal measures)



∠1 ≅ ∠3 ∠2 ≅ ∠4

C-3 Parallel Lines Conj (CA, AIA, AEA)

p. 139 If two parallel lines are cut by a transversal then corresponding angles are congruent; alternate interior angles are congruent, and alternate exterior angles are congruent. Same-sided interior angles are supplementary.



∠2 ≅ ∠6 CA
∠3 ≅ ∠6 AIA
∠2 ≅ ∠7 AEA

∠3 + ∠5 = 180°

C-4 Parallel lines Converse

See Sketch on #3

If 2 lines cut by a transversal form pairs of congruent CA, AIA or AEA, then the two lines are parallel. The same is true for Supplementary SSIA.