3.3 Proving Lines Parallel

\*\*\*Converses of Parallel Line Post. And Theorems

Corr. <’s Post Converse:

If 2 lines are cut by a transversal so that corr. <’s are congruent, then the lines are parallel.

Alt. Int. <’s, Alt. Ext. <’s, Cons. Int. <’s Converses

If 2 lines are cut by a transversal so that:

* Alt int. <’s are congruent
* Alt ext. <’s are congruent then the lines are //.
* Cons. Int. <’s are supp

Proof of Alt. Int. <’s Converse:

Transitive Property of Parallel Lines:

If 2 lines are parallel to the same line, then they are parallel to each other.

Ex.