Integrated Math I   Name: _____ Period: _____ Date: _____

CH. 6, L2 – EXIT SLIP

Objective: Given side lengths and/or angle measures of a triangle, I will discover the specific combinations of side lengths and angle measures that will create two congruent triangles by applying transformations and the Definition of Congruent Triangles

Determine whether each statement below is *true* or *false*: If the statement is false, edit it so that it is correct.

1. If two sides of one triangle are congruent to two sides of a second triangle, then the two triangles must be congruent.

2. If three angles of one triangle are congruent to three angles of a second triangle, then the two triangles must be congruent.
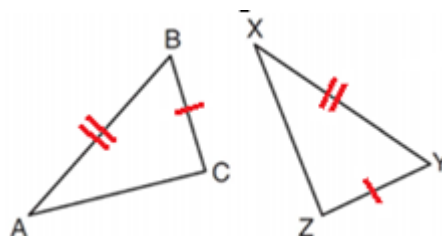
3. If two sides and the included angle of one triangle are congruent to two sides and the included angle of a second triangle, then the two triangles must be congruent.

4. If two sides and the excluded angle of one triangle are congruent to two sides and the excluded angle of a second triangle, then the two triangles must be congruent.

5. Is there enough information to prove the triangles are congruent? Explain.

3. If two sides and the included angle of one triangle are congruent to two sides and the included angle of a second triangle, then the two triangles must be congruent.

4. If two sides and the excluded angle of one triangle are congruent to two sides and the excluded angle of a second triangle, then the two triangles must be congruent.

5. Is there enough information to prove the triangles are congruent? Explain.