

Chapter 4 Study Guide
(Sections 4.6-4.8)

1. Given the vertices of two triangles, show CPCTC by the SSS postulate (4.6).
2. Find a missing variable using the base angles theorem, converse, corollary, and corollary of the converse (4.7).
3. Prove corresponding parts of congruent triangles congruent (CPCTC) and triangles congruent by the Base Angles Theorem (4.6, 4.7).
4. Complete statements of congruency using the Base Angles Theorem and Converse (4.7).
5. Tell whether two figures are a rotation around the origin (4.8).
6. Write a transformation in coordinate notation (4.8).
7. Decide if an image was created by a rotation, reflection, and/or translation (4.8).
8. Sketch an image after a transformation (4.8).
9. Given a point on an image, write the corresponding point on the original figure (4.8).