

## Unit 2 Test Part 2 Review

- 1) Complete the following constructions: Parallel line through a point not on the line, Circumscribed equilateral triangle, Angle bisector, Copy an angle

- 2) Draw your own examples of SSS, SAS, ASA, AAS and HL and write the congruency statement.

WARNING! IF YOU TRY TO PROVE CONGRUENCY USING ADDITIONAL TOPICS SUCH AS PERPENDICULAR BISECTORS OF AN ISOSCELES RT TRIANGLE, ANGLE BISECTORS, ETC., YOU WILL HAVE TO WRITE OUT PROOF STEPS. VERTICAL ANGLES, AIA, AEA, CA, REFLEXIVE SIDES AND ANGLES ARE THE PRIMARY METHODS FOR PROVING CONGRUENCY. AGAIN, GOING OUTSIDE THESE PARAMETERS WILL REQUIRE ADDITIONAL WRITTEN EXPLANATIONS THAT ARE KNOWN TO BE TRUE.

Remember with Triangle Similarity, SAS~ means that the congruent angle is included in between to sides that can be shown to be proportional. An inner segment that is parallel to a 3<sup>rd</sup> side in a triangle guarantees SSS~. Also, keep in mind the midsegment property ensures SSS~ proportionality.

- 3) Draw a SSS~ example

- 4) Draw a AA~ Example

- 5) Draw a SAS~ Example

