

Unit 6: Triangle Congruence

~December 2-December 16

Standards:

G.6 The student, given information in the form of a figure or statement, will prove two triangles are congruent.

| Topic | I can... | Resources |
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| Congruent Figures | <ul style="list-style-type: none">✓ determine whether polygons are congruent based on corresponding side lengths and angle measures. | <p data-bbox="1346 505 1980 607">From Khan Academy https://www.khanacademy.org/math/geometry/hs-geo-congruence</p> <p data-bbox="1346 646 1980 748">From Math Open Ref https://www.mathopenref.com/tocs/congruencetoc.html</p> <p data-bbox="1346 787 1980 927">Sample Assessment/Review with Solutions Sample Assessment Congruent Triangles 19-20 (003).pdf Unit 6 Sample Assessment Solutions.pdf</p> |
| Triangle Congruence by SSS, SAS, ASA and AAS | <ul style="list-style-type: none">✓ determine whether two triangles are congruent based on SSS, SAS, ASA, or AAS. | |
| Congruence in Right Triangles and on a Coordinate Plane | <ul style="list-style-type: none">✓ determine whether two right triangles are congruent based on HL.✓ determine whether two triangles on a coordinate plane are congruent based on SSS, SAS, ASA, AAS, or HL using Distance Formula. | |
| Using Corresponding Parts of Congruent Triangles and Congruence in Overlapping Triangles | <ul style="list-style-type: none">✓ identify alternative congruent side and angle pairs given two congruent triangles (Corresponding Parts of Congruent Triangles are Congruent).✓ determine whether two overlapping triangles, that share an angle or a side, are congruent based on SSS, SAS, ASA, AAS, or HL. | |