Section\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_

APPLY CONGRUENCE AND TRIANGLES

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| Vocabulary | Definition | Example |
| CONGRUENT FIGURES  | In two congruent figures, all the parts of one figure are congruent to the corresponding parts of the other figure. |  |
| CORRESPONDING PARTS | In congruent polygons, the corresponding parts are the corresponding sides and the corresponding angles.\*(corresponding- occupies the same position) |  |
| THIRD ANGLES THEOREM | If two angles of one triangle are congruent to two angles of another triangle, then the third angles are also congruent. |  |
| PROPERTIES of CONGRUENT TRIANGLES | **Reflexive Property** | For any triangle ABC, ΔABC $≅$ ΔABC. |  |
| **Symmetric Property** | If ΔABC $≅$ ΔDEF, then ΔDEF $≅$ ΔABC. |  |
| **Transitive Property** | If ΔABC $≅$ ΔDEF and ΔDEF $≅$ ΔJKL, then ΔABC $≅$ ΔJKL. |  |