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. |  |