**Geometry Transformation Unit Test Topics**

**Test Date: Mon-Tues, Nov 6-7, 2019**

Vocabulary: know and use vocabulary from first day notes plus congruent figures, composition, and preserves orientation vs opposite orientation.

* Determine if two figures are congruent by being able to describe the mapping of one figure to another with one or a sequence of isometries.
* Identify corresponding congruent parts after a congruent transformation.
* Reflect a point, segment, or polygon across (or in or about) a line, or describe one.
* Rotate a point, segment, or polygon around a point, or describe one.
* Translate a point, segment, or polygon with a translation vector, algebraic rule, or describe one.
* For the last three, be able to find new coordinates either with rules or by graphing.
* Understand vector notation.
* Identify all lines of symmetry or degrees of rotational symmetry in a polygon.
* Helpful: know the four algebraic rules for reflect across x-axis, reflect across y-axis, rotate 180°, reflect across y=x

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