Math 8 Vocabulary Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Alternate interior angles | Congruent angles that are on opposite sides of transversal and located inside the parallel lines. |
| Alternate exterior angles | Congruent angles that are on opposite sides of transversal and located outside the parallel lines. |
| rotation | A transformation in which a figure is turned about a fixed point. |
| Translation | A transformation that slides a figure one position to another without turning. |
| dilation | A transformation that enlarges or reduces a figure by scale factor. |
| Corresponding angles | Congruent angles that share the same position on a set of parallel lines in relation to a transversal. |
| congruent | Having the same measure |
| Exterior angles | The four outer angles formed by two lines cut by a transversal |
| Interior angles | The four inside angles formed by two lines cut by a transversal. |
| image | The resulting figure after a transformation. |
| Pre-image | The original figure before a transformation. |
| transversal | A line that intersects two or more other lines |
| Parallel lines | Lines that never intersect no matter how far they extend. They must be in the same plan |
| Perpendicular lines | Lines that intersect to form a right angle. |
| equiangular | A polygon in which all angles are congruent. |
| quadrant | The four sections of the coordinate plane |
| x-axis | The horizontal number line used to help form the coordinate plane. |
| y-axis | The vertical number line used to help form the coordinate plane. |
| Complementary angles | Two angles are complementary if the sum of their measures is 90 degrees |
| Supplementary angles (linear pair) | Two angles whose sum is 1800 |
| Vertical angles | Opposite angles formed by two intersecting lines. These angles are congruent. |
| coefficient | The numerical factor of a term that contains a variable. |
| constant | A fixed value. |
| Reflection | A transformation where a figure is flipped over a line. |