Math 1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6-1 Geometry Vocabulary** Date\_\_\_\_\_\_\_\_

* *I can define and apply important geometric terms.*

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| **TERM** | **DEFINITION** | **EXAMPLE** |
| **Point** | Undefined term – a location |  |
| **Line** | Undefined term – continues forever in both directions |  |
| **Intersecting Lines** | Lines that cross (have different slopes) |  |
| **Parallel Lines** | Lines that have the same slope or never intersect. |  |
| **Perpendicular Lines** | Lines that intersect to form right angles. |  |
| **Ray** | A part of a line that starts at a point and continues forever in one direction. |  |

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| **TERM** | **DEFINITION** | **EXAMPLE** |
| **Line Segment** | A part of a line with two endpoints. |  |
| **Midpoint** | A point on a line segment that divides it into two ***congruent*** segments. |  |
| **Angle** | Two rays with a common end point. |  |
| **Vertex** | The common end point of an angle. |  |
| **Angle Bisector** | A line, line segment or ray that divides an angle into two congruent parts. |  |
| **Acute Angle** | An angle between 0 and 90 degrees. |  |

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| **TERM** | **DEFINITION** | **EXAMPLE** |
| **Obtuse Angle** | An angle between 90 and 180 degrees. |  |
| **Equidistant** | Equal distance. |  |
| **Circle** | A set of points that are equidistant from the center. |  |
| **Arc** | A part of the circumference of a circle. |  |
| **Plane** | A 2-dimension figure that goes on forever in two directions. (coordinate plane) |  |
| **Right Angle** | A 90 degree angle. |  |

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| **TERM** | **DEFINITION** | **EXAMPLE** |
| **Straight Angle** | A 180 degrees angle. |  |
| **Complementary Angles** | Two angles that add up to 90 degrees. |  |
| **Supplementary Angles** | Two angles that add up to 180 degrees. |  |
| **Linear Pair** | Adjacent and supplementary angles. |  |
| **Adjacent Angles** | Angles that share a side. |  |
| **Vertical Angles** | Two non-adjacent, non-overlapping angles formed by two intersecting lines. |  |

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| **TERM** | **DEFINITION** | **EXAMPLE** |
| **Transversal** | A line that intersects two or more other lines at different points. |  |
| **Interior Angles** | Angles between the two lines cut by a transversal. |  |
| **Exterior Angles** | Angles not between the two lines cut by a transversal. |  |
| **Corresponding Angles** | Two non-adjacent angles on the same side of the transversal with one being an interior angle and the other an exterior angle. |  |
| **Alternate Interior Angles** | Two non-adjacent interior angles on opposite sides of the transversal. |  |
| **Alternate Exterior Angles** | Two non-adjacent exterior angles on opposite sides of the transversal. |  |

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| **TERM** | **DEFINITION** | **EXAMPLE** |
| **Same-Side Interior Angles** | Two interior angles on the same side of the transversal. |  |
| **Same-Side Exterior Angles** | Two exterior angles on the same side of the transversal. |  |