| | **Chapter 1:** <br> # The Tools of Geometry <br> *Including Lessons 3.1 & 3.2* <br> **Cornell Notes/Summary Sheet** | Name: _____ <br><br> Period: _____ <br> *Turn this in on the day of the test.* <br> *This is an assignment grade.* |
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| ### Lesson 1.1 – Big Ideas <br> • Name points, lines, planes, rays, line segment, and angles using proper symbolic notation <br> • Intersections & unions <br> • Skew vs. coplanar lines <br> • Intersections of lines & planes | **Your Notes** |
| ### Lesson 1.2 – Big Ideas <br> • Segment Addition Postulate <br> • What does it mean to <u>bisect</u> (or trisect) a segment? <br> • What is the midpoint of a segment? | **Your Notes** |
| ### Lesson 1.3 – Big Ideas <br> • Angle Addition Postulate <br> • What does it mean to <u>bisect</u> (or trisect) an angle? <br> • Classifying angles by their measures | **Your Notes** |
| ### Lesson 1.4 – Big Ideas <br> • Copy & duplicate a line segment and an angle <br> • Bisect a line segment & locate its midpoint <br> • Bisect an angle | **Your Notes** |

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| **Lesson 1.5 – Big Ideas**<br>• Distance, midpoint, & slope formulas<br>• Partitioning a directed line segment | **Your Notes** |
| **Lesson 1.6 – Big Ideas**<br>• Translations<br>• Rotations<br>• Reflections<br>• Composition of transformations | **Your Notes** |
| **Lesson 1.7 – Big Ideas**<br>• Perimeters & areas of rectangles, triangles, trapezoids & composite figures<br>• Determining perimeters & areas using tranformations<br>• Determining area using the boxing method | **Your Notes** |
| **Lesson 3.1 – Big Ideas**<br>• Slope<br>• Intercepts<br>• Horizontal & vertical lines<br>• Slope-intercept form<br>• Point-slope form<br>• Standard form<br>• Graphing lines | **Your Notes** |
| **Lesson 3.2 – Big Ideas**<br>• Parallel lines<br>• Perpendicular lines | **Your Notes** |

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