

Honors Geometry – 3rd Quarter Assessment Grades Name: _____

Most recent grade entered in PowerSchool. Two consecutive scores of 3 or higher required. Each standard is assessed at least twice. Re-taking an assessment requires proof of completed homework.

Triangle Proportionality SRT-B4b: I can prove that a line parallel to one side of a triangle divides the other two proportionally.

Date					
Score					

Pythagorean Theorem and its Converse SRT-B4c: I can prove the Pythagorean Theorem using similarity.

Date					
Score					

Geometric Mean SRT-B5d: I can use similarity criteria and similarity *within* right triangles to demonstrate geometric mean.

Date					
Score					

Special Right Triangles SRT-C6a: I understand that by similarity, side ratios in right triangles are properties of the angles in the triangle, leading to definitions of trigonometric ratios for acute angles.

Date					
Score					

Basics of Trigonometry SRT-C6b: I can develop and use basic trigonometric ratios (including inverses) to solve right triangles.

Date					
Score					

Sine and Cosine of Complementary Angles SRT-C7a: I can explain and use the relationship between the sine and cosine of complementary angles.

Date					
Score					

Using Pythagorean Theorem and Trigonometry SRT-C8a: I can use trigonometry and the Pythagorean Theorem to solve right triangles in applied problems and math modeling.

Date					
Score					

Explaining Area/Volume Formulas GMD-1a: I can give an informal argument for the formulas for the circumference of a circle, area of a circle, volume of a cylinder, pyramid, and cone.

Date					
Score					

Coordinate Geometry Review 1 GPE-B1: Given 4 coordinate pairs, I can prove/disprove that a shape is a rectangle; find the equation of a line parallel or perpendicular to a given line through a given point.

Date					
Score					

Coordinate Geometry Review 2 GPE-B2: I can find a point on a directed line segment that divides the segment into a given ratio; I can use coordinates to compute perimeters of polygons and areas of triangles and rectangle.

Date					
Score					

Using Volume Formulas GMD-3a: I can use volume formulas for cylinders, pyramids, cones, and spheres to solve problems.

Date					
Score					

Modeling with Shapes MG1a: In applied contexts, I can use geometric shapes, their measures, and their properties to describe objects and develop and then solve problems associated with them.

Date					
Score					

Density MG2a: In application problems, I can apply concepts of density based on area and volume in modeling situations.

Date					
Score					

Geometry in Design MG3a: I can apply geometric methods to solve design problems.

Date					
Score					

Circle Similarity C-A1a: I can prove that all circles are similar.

Date					
Score					

Sectors and Arc Length C-B5a: I can derive using similarity the fact that the length of the arc intercepted by an angle is proportional to the radius; I can derive the formula for the area of a sector.

Date					
Score					

Circular Arcs CO-A1d: I know and can apply precise definitions of angles, circles based on point, line, and distance around a circular arc.

Date					
Score					

Circle Formulas GMD-1b: I can explain the formulas for the circumference of a circle, area of a circle.

Date					
Score					

Radian Measure C-B5b: I can derive using similarity the fact that the length of the arc intercepted by an angle is proportional to the radius, and define the radian measure of the angle as the constant of proportionality.

Date					
Score					

Volume Formulas Again GMD-1c: I can explain the formulas for the volume of a cylinder, pyramid, and cone.

Date					
Score					

Using Volume Again GMD-3B: I can use volume formulas for cylinders, pyramids, cones, spheres

Date					
Score					

Cross Sections GMD-4a: I can identify the shapes of two-dimensional cross-sections of 3D objects.

Date					
Score					

Revolutions GMD-4b: I can identify 3D objects generated by rotations of two-dimensional objects

Date					
Score					

Modeling Review MG123: I can use two and three dimensional geometry to model real-life situations and solve related problems.

Date					
Score					