Ms. Bogart’s Geometry Class – Review Guide for Semester Test – Fall 2015

The First Semester Final for Geometry is a 50 question test that is mostly matching and multiple a choice, with a small amount of short answer, followed by a short project activity that will count 50% of the test.

The project assignment was given out recently. Some of the choices require some preparation in advance, some hardly any. Assignment is posted on my website under Documents and Handouts under Geometry. My website is msbogartsfyvgeometry.weebly.com

A list of terms follows. Some will be addressed directly on the final, some with words, some with application, and some with sketches. Some are just background knowledge, not tested directly.

**Background Terms**

Acute angle

Obtuse angles

Right angles

Acute triangle

Obtuse triangle

Right triangle

Scalene triangle

Obtuse triangle

Equilateral triangle

Polygon

**Angles, lines, proof**

Parallel lines

Transversal

Perpendicular lines

Corresponding angles

Alternate interior angles

Alternate exterior angles

Same-side interior angles

Same-side exterior angles

Linear pairs

Vertical angles

**Rigid Motion**

Rigid transformation (motion)

Non-rigid transformation

(EX – dilation)

Isometry

Translation

Reflection

Line of Reflection

Rotation

Pre-image

Image

Translation vector

Prime

(like ∆A’B’C’ is a transformation of ∆ABC)

Orientation



**Tools of Geometry**

Point

Line

Plane

Line segment

midpoint

Ray

Angle

Congruent segments, angles, or figures

Collinear (non-collinear)

Coplanar (non-coplanar)

Angle bisector

Perpendicular bisector

Median

Altitude

Circumcenter

Orthocenter

Centroid

Incenter