***Regular Geometry (MAT 215)***

**Instructor**: Mr. Prost

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**Text:** “***Geometry – Foundations Series” (Prentice Hall)***

**Course Objectives:** “Honors Geometry” covers all of those topics that are covered in regular Geometry, but at a quicker past and in more depth. Topics covered in this course include, but are not limited to, the following:

* The “vocabulary” of geometry; correct notation
* Parallel lines and planes
* Congruent triangles and their proofs
* Inductive and deductive reasoning
* Coordinate Geometry
* Volume
* Right Triangles with trigonometric ratios
* Surface area and volumes of spheres, pyramids, cones,

prisms, and composite shapes

* Transformations (translations, rotations, reflections)
* “points of concurrency” of various triangles
* Geometric constructions

**Required materials:**

1. Scientific calculator (phones may NOT be used); the TI-84 graphing calculator is a good graphing calculator if interested (albeit a bit expensive)
2. Pencil
3. Looseleaf paper and 3-ring binder
4. Protractor
5. Ruler
6. Compass (get a REALLY good one! The cheap ones are just what you’d expect…cheap!)

**Grading Policy:**

A = 93-100

B = 85-92

C = 76-84

D = 70-75

F = below 70

**Grading Structure:**

10% Homework/classwork

30% Friday quizzes (EVERY Friday! I will let you use your homework on the quizzes!)

40% Chapter Tests

20% Comprehensive Final Exam

As part of the “quiz” component of the grade, there will be a series of quizzes regarding your supplemental reading book **“*Flatland*” (Edwin A. Abbott, ISBN 0-486-27263).** Testing on this book will not begin until later this Spring, but PLEASE get started reading it now!

**Late work policy:**

Late work will only be accepted if you were *absent*. You will be allowed the same number of days you were absent to complete missing work. (example, if you missed two days, you have two days to complete and submit the missing assignments).

**Recovery of lost credit on quizzes and tests:**

For every lost point on a quiz or test, you have the opportunity to recover ½ point for each one of those lost points by doing the following:

1. See me during encore, before school, or after school to discuss the correct solution to the problem….I’ll be happy to work with you!
2. Rework the problem correctly, and I will award ½ point credit.
3. Corrected problems will only be accepted during the time prior to the NEXT quiz or test. In other words, once a new test or quiz is given, corrections on previous quizzes or tests will no longer be accepted.