Syllabus for Math 4 ~ Mrs. Setser

Welcome to a new school year! You are enrolled in Math 4, your Senior math class at Tuscola.

We will work together to accomplish 2 main goals by the end of the semester:

1) You are prepared to walk into your first college math class.
2) You have practical math skills and an understanding of math's essential role in everyday life.

Classroom Rules & Expectations

If your actions:

Disrupt learning, Hurt someone's feelings, Keep you from being your best self… Don't do it!

We will work together and communicate openly and respectfully, just as you will continue to do in all situations of life…college, work place, etc.

Cellphones

This is a Senior math class, so I have high expectations for your maturity and responsibility. You may put your cell phone in the hanging pouch in the classroom or keep it off in your backpack. It is now a State Law that cell phones will not be out and utilized during periods of instruction.

Grades

Tests 30%
Classwork/Homework 20%
Projects 25%
Final Exam 25%

Tests Corrections

Students will be able to recover up to half their missed points by completing corrections.

Late Assignments

Assignments not turned in the day they are due will be entered as 0%, but may be turned in late for credit.

Tutoring

Tutoring will be offered and can be scheduled with me as needed.

Supplies

3-Ring Binder (preferably with pockets)   Pen or Pencil
Loose, hole-punched paper   Dry Erase Markers

Course Outline

Week 1 Complex Numbers & Matrices
Week 2 Angles and Degrees & Trigonometry Ratio Review
Week 3 Law of Sines & Cosines
Week 4 LoS/LoC Review & Vectors
Week 5 Graphing Sine/Cosine Functions & Logarithmic Functions
Week 6 Exponent Rules Review & Solving Exponential and Logarithmic Equations
Week 7 Solving Exponential and Logarithmic Word Problems & Piecewise Functions
Week 8 Linear Regression & Non-linear Regression
Week 9 Introduction to Statistics and Statistics Vocabulary
Week 10 Measures of Variation & Data Displays
Week 11 Normal Distribution
Week 12 Basic Counting Concepts & Basic Probability
Week 13 Multiplying Probability
Week 14 Z-score Introduction & Normal Distribution
Week 15 Empirical Rule and Normaldist()
Week 16 Introduction to Hypothesis Testing & Course Review
Week 17 Course Review
Week 18 Course Review & Final Exams

This is a *rough* outline for our semester. We may spend more or less time on some topics depending on what we need as a class. We will also be incorporating several real world activities and projects to prepare for math beyond the classroom.

I'm glad you're here and will always be available if you need help.

~Kari Setser   ksetser@haywood.k12.nc.us