

Welcome to Honors Trig & PreCalc

Mrs. Galilei

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Sign up for text messages through REMIND

Phone: ext 7913

Videos for all lessons can be found on School4One

CLASS CODE: **fghunv**

CLASS RULES

- *Be on time
- *Bring your materials to class & be ready to learn
- *Have at least ONE pencil
- *No complaining that precalculus is too hard
- *Be respectful of others – not everyone “gets it” as fast as you!
- *No cell phones unless allowed by teacher!
- *Bring your ipad, charged, everyday

GRADING POLICY

The GRADING SCALE will be:

70% Tests

20% Projects/Participation

10% Homework/Classwork

****HOMEWORK IS DUE ON TIME
NO POINTS FOR LATE WORK WILL
BE GIVEN!***



ACADEMIC INTEGRITY MATHEMATICS



- o Do your own work
- o Take pride in your work
- o Show your work
- o Ask for help if you are confused
- o Help your peers understand their work
- o Do not copy or take pictures of someone's work
- o Do not discuss test questions or answers
- o Do not just give answers or air drop
- o Do not give up
- o Do not give your completed work to someone



"The beautiful thing about learning is that no one can take it away from you." – B.B. King





Sign up for important updates from Mrs. Galilei.

Get information for Elizabeth Forward Senior High School right on your phone—not on handouts.

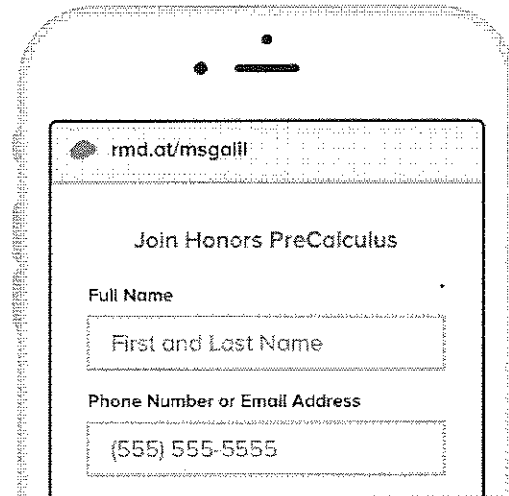
Pick a way to receive messages for Honors PreCalculus:

A If you have a smartphone, get push notifications.

On your iPhone or Android phone, open your web browser and go to the following link:

rmd.at/msgalil

Follow the instructions to sign up for Remind. You'll be prompted to download the mobile app.



B If you don't have a smartphone, get text notifications.

Text the message @msgalil to the number 81010.

If you're having trouble with 81010, try texting @msgalil to (646) 783-4827.

** Standard text message rates apply.*



Don't have a mobile phone? Go to rmd.at/msgalil on a desktop computer to sign up for email notifications.

Course Description:

This course is for college-bound students who plan on pursuing a math-related career. Students in this course will cover advanced concepts of algebra such as composite functions, quadratic equations and quadratic inequalities. Students will also graph and analyze different non-linear functions. Trigonometry is then explained and triangles are solved using the Law of Sines and the Law of Cosines. Trigonometric functions and their inverses are studied and graphed. Students will learn and apply trig identities to solve trig equations. Students will also solve exponential and logarithmic equations.

Note: A TI-84+ graphing calculator is highly recommended.

Unit One: Functions from a Calculus Perspective

- Functions
- Analyzing Graphs of Functions & Relations
- Continuity, End Behavior & Limits
- Extrema & Average Rates of Change
- Parent Functions & Transformations
- Functions Operations & Composition of Functions
- Inverse Relations & Functions

Unit Two: Power, Polynomial & Rational Functions

- Power & Radical Functions
- Polynomial Functions
- Remainder & Factor Theorems
- Zeros of Polynomial Functions
- Rational Functions
- Nonlinear Inequalities

Unit Three: Exponential & Logarithmic Functions

- Exponential Functions
- Logarithmic Functions
- Properties of Logarithms
- Exponential & Logarithmic Equations
- Modeling with Nonlinear Regression

Unit Four: Right Triangle Trigonometry

- Right Triangles & Trig Ratios
- Degrees & Radians
- Trig Functions on the Unit Circle
- Inverse Trig Functions

Unit Five: Non-Right Triangle Trigonometry

- Law of Sines
- Law of Cosines
- Areas of Non-Right Triangles
- Solving Non-Right Triangles

Unit Six: Graphing Trig Functions

- Graphing Sine & Cosine Functions
- Graphing Other Trig Functions
- Graphing Inverse Trig Functions

Unit Seven: Trigonometric Identities & Equations

- Trig Identities
- Verifying Trig Identities
- Solving Trig Equations
- Sum & Difference Identities
- Multiple-Angle and Product-to-Sum Identities

**ELIZABETH FORWARD
HIGH SCHOOL
"BRAVE" WARRIORS**



	Classroom	Hallways/ Stairs	Cafeteria	Restrooms	Parking Lot	Bus
BE SAFE	Listen to staff Maintain personal space	Walk to the right Maintain personal space Use an appropriate tone	Follow directions Maintain personal space Stay in your area Wait for dismissal	Follow school drug free policy Be Prompt	Follow school parking policy Be patient and drive safe	Stay seated Follow directions Keep hands to self Follow drug free policy
RESPECT OTHERS	Be on time Be polite Use appropriate language and tone	Use appropriate language and tone Be polite Follow directions	Use appropriate time and language Encourage respectful behavior Say "please" and "thank you"	Keep it clean Follow directions Use appropriate tone and language	Respect others property	Be on time Maintain personal space Use an appropriate tone Respect others property
ACCOUNTABLE	Be prepared Be honest Do your own work Use electronic devices only when permitted	Get to class on time Lock lockers Use of electronic devices only when permitted	Wait your turn Clean up your area Eat during assigned lunch Use good table manners	Wash your hands Flush Throw garbage away	Have a pass visible Reports incidents	Be responsible for your belongings
VICTORIOUS	Do your best work Celebrate academic success	Celebrate personal and team successes	Have group pride	Report incidents	Take personal responsibility	Report incidents
ENTHUSIASTIC	Have a positive attitude Take ownership of learning	Help others Be a leader	Be appreciative	Be quick and move along	Be courteous	Have a positive attitude Help others