

2019
-
2020

PreCalculus

Mrs. Barnosky
Wednesdays @ 11 am ET

PreCalculus, 5th Edition (2013) by Blitzer
(Print ISBN: 9780321837349)
Optional: Solutions Manual

Talk
to
me!

1. bbarnosky@myfunscience.com
2. 
3. www.candlestarservices.com



Input = Output

You know those classes where you just show up and the teacher pours information into your brain? This is *not* that class! I will do everything in my power to make your learning easier – from adaptive homework and automated quizzes to review games and interactive feedback.

You, however, will need to step up... and keep up with your work load. If you come to class prepared, you'll get *much* more out of it!

- Be present** ~ attend class (or watch the recording)
- Be diligent** ~ work hard, don't just check boxes
- Be active** ~ log in regularly and participate fully
- Be clear** ~ communicate regularly with your classmates, your parents, and your instructor

• **Study** •

PreCalculus is where we really ramp things up to the next level! We will spend ample time on each chapter before moving on, allowing time to build connections and mastery. PreCalculus isn't about forced word problems — it's about real, hands-on application across amazing content areas. We will build a solid foundation for practical STEM applications, mathematical thought, and college-level study as we explore topics from Trigonometry, Polynomials, and Analytical Geometry to Conic Sections, Statistics, and Calculus. This is going to be an amazing year!

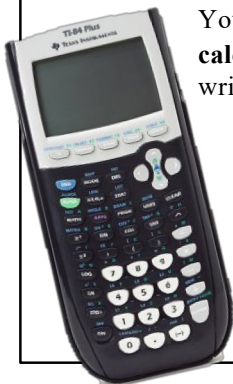
"They turned their desks into a trigonometric war room, pouring over equations scrawling ideas on blackboards, evaluating their work, erasing it, starting over." Margot Lee Shetterly

Be Prepared

You will need a textbook, **graphing calculator**, notebook, paper, graph paper, writing implements, et cetera.

Come to class prepared:

- with your textbook
- with your notebook and homework
- ready to engage
- willing to focus
- with respect and kindness



Quizlet?
flash cards?
printables?
activities?
games?

Join!



Do you have technology questions?

Contact My Fun Science Tech Support at:
<https://myfunscience.com/contact-us/>

There are other great resources at:
<https://myfunscience.com/student-orientation/>



PowerSchool Learning (PSL) Classroom

The asynchronous (anytime) components of our class are located within our PowerSchool Learning classroom. It is accessible 24/7, and includes a wealth of resources to encourage and inform student learning. If you're chatting with an old timer, they might refer to PSL as "the Learning Management System formally known as Haiku."

Welcome!

> [F.A.Q.]

Week 21 ~ Feb 13 :)

Week 20 (Feb 6)

- The **Welcome** page contains a link to our classroom, announcements, and syllabus.
- The **FAQ** page hosts several resources. Just click on the "greater than" sign to expand.
- Weekly** pages contain a block summarizing all work expectations for the coming week. This is the "one block to rule them all"! Each page also contains the recording of our live class as well as links to that week's videos, resources, assignments, assessments, and/or discussions. Often there's "extra" material that's available for further learning or fun.

Be sure to monitor your "Gradebook" tab! Your **settings** are in the upper right-hand corner :)

T.e.c.h.n.o.l.o.g.y T.o.o.l.s.

Zoom Meeting

Our synchronous (live) class meetings will take place within a Zoom meeting room. We will meet for a single ~ 90-minute class session each week. Attendance is optional but strongly encouraged. Live classes will include lectures, discussions, games, simulations, and both individual and group activities. The ability to interact with classmates and ask me questions in real-time? Priceless!

You need:

- Stable Internet connection (2-5 Mbps download speed minimum)
- Solid audio functionality (preferably with microphone)
- Flexibility (most glitches are easily solved with an update or cache clearing)

Zoom has a great support page at <https://support.zoom.us/hc/en-us/categories/200101697-Getting-Started>. Please visit Zoom's test classroom (<https://zoom.us/test>) in order to install the Zoom software and configure your settings. Please use your first name and state as your Zoom name, ie "Buffy - CA" or "Clark - KS."



Syllabus
revision
date:
01-10-2019

Fall 2019

Classes Start: *Week of* August 19

Fall Break: October 7-11

Thanksgiving Break: November 25-29

Classes End: *Week of* December 9

Spring 2020

Classes Start: *Week of* January 6

Spring Break: February 17 - 21

Easter Break: April 6 - 10

Classes End: *Week of* April 27



Absence? Illness?

Missing Class? No problem! That's why I post the recordings. You are responsible for announcements and content. . . whether or not you are present for our live class meeting :)

Merriam-Webster defines an **emergency** as "is a serious, unexpected, and often dangerous situation requiring immediate action." If you are stricken by **illness** or emergency, please have a parent contact me as soon as possible. I will offer what grace I can.

Vacations, part-time jobs, and busy schedules are *not* considered emergencies. Plan ahead and contact me *ahead of time* with specifics if you would like a schedule accommodation. I'll do what I (reasonably) can.

Scope & Sequence

Class 1 Math XL Intro; P.1 - P.3

Class 2 P.4 - P.6

Class 3 P.7 - P.9; Lesson 1.1

Class 4 P.10 - P.12

Class 5 P.13 - P.15

Class 6 P.16 - P.18

Class 7 P.19 - P.21

Class 8 P.22 - P.24

Class 9 P.25 - P.27

Class 10 P.28 - P.30

Class 11 P.31 - P.33

Class 12 P.34 - P.36

Class 13 P.37 - P.39

Class 14 P.40 - P.42

Class 15 P.43 - P.45

Class 16 P.46 - P.48

Class 17 P.49 - P.51

Class 18 P.52 - P.54

Class 19 P.55 - P.57

Class 20 P.58 - P.60

Class 21 P.61 - P.63

Class 22 P.64 - P.66

Class 23 P.67 - P.69

Class 24 P.70 - P.72

Class 25 P.73 - P.75

Class 26 P.76 - P.78

Class 27 P.79 - P.81

Class 28 P.82 - P.84

Class 29 P.85 - P.87

Class 30 Semester Review, *test 1 & 2*



This course will utilize the online resource MathXL.

MathXL is a powerful online homework, tutorial, and assessment system. It includes: lecture slides, step-by-step examples for any problem, accessibility tools, chapter reviews, and lesson videos!

Using Math XL means that you will have access to instant help and feedback, class instruction will be much more effective, and tests are much more valuable and forgiving. Plus you are preparing for the college classroom!

You are responsible for reading, taking notes, and studying each lesson and its vocabulary.

“For God has not given us a spirit of timidity, but of power and love and discipline.”
2 Timothy 1:7

- Tests -

There will be Chapter Tests every few weeks, as noted on our schedule. They will be *generously* timed and open for three (3) days.

Don't panic! Just understand (and memorize) formulas and definitions. Study your notes. **Practice your skills.** Work the Chapter Review and study guide. Review your quizzes. . . and ask questions!

Tests will have both "computer graded" and "hand-graded" components... **prompt submission of your test work is required for full credit.**

Grading Policies

- Quizzes -

Quizzes are for you. They tell you whether you *really* know what you *think* you know! Every week there's a *short* quiz covering the previous week's lessons.

Quizzes are generously timed, open for a full week... and you can take them a second time!

Study smart. If you're still looking back at your notes or textbook in order to get through the homework problems, you're just not ready. Practice. Study. Ask.

Quizzes are a great way to focus your studying and ensure mastery.

Academic Dishonesty

Every academic and professional environment takes issues of cheating and plagiarism *very* seriously. Do not "Google" the test questions or submit another person's work as your own. Do not use Desmos or your cell phone. Refer to Plagiarism.org for more information.

Do not lie about your homework completion.

If I suspect that cheating or plagiarism has occurred, I will notify you and your parents and issue you a grade of zero on that assignment, assessment, or discussion. If cheating, or plagiarism, occurs again, action will be taken which could include dismissal from the course.

A (100-90) B (89-80) C (79-70) D (69-60) F (0-59)

Do I drop the lowest grade in each category?

Yes. Yes I do.



Homework Check

Each week, for *each* lesson, you're going to attend class, read the textbook, and **take great notes.** Be sure to study your vocabulary as well!

Next, you'll:

1. Complete your textbook homework, showing **ALL** of your work. This homework is what fuels your learning. Be sure to check it... and rework any incorrect problems. It won't be collected but it's still important!
2. Complete your Math XL homework -- earn 100%!
3. If you have questions or concerns on your homework, scan the relevant problem(s) and ask for help through your "Homework Help" one-on-one discussion forum.

Do. Your. Best. Work.

The Math XL portion of your homework is graded for accuracy . . . but no worries! If you get a problem wrong, you'll get another chance. Keep going and get them all correct :)

You are expected to study effectively,
Complete homework from your textbook, and
Complete your Math XL homework for mastery.

Remember:

Input = Output



YOUR GRADE

