

PreCalculus

Tutorial with Mrs. Barnosky
Tuesdays @ 9am ET

Talk
to
me!

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

Required: MathXL access
Optional: *Solutions Manual*

Input = Output

You know those classes where you just show up and the teacher pours information into your brain? This is *not* that class!

PreCalculus is often a student's last class before transitioning into a college-level mathematics course. As such, we run things a little differently. Rather than spending class time as a talking head, each class will be run as a **tutorial**. I will be introducing new information and walking through examples in class. You will then be working through problems both with me and independently.

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

Be present ~ attend class, ready to work

Be diligent ~ work hard, don't just check boxes

Be active ~ log in regularly and participate fully

Be clear ~ communicate regularly as needed

• Study •

Because our class time will be devoted to interactive problem solving, **it would be very beneficial for students to have a functional microphone**. This doesn't need to be fancy, even built-in computer audio will do. Writing on the board will be easier with a touch screen or **drawing tablet**. Optional, but helpful :)

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



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/>

Log into Math XL at:
www.mathxlforschool.com/home_school.htm

Check out our
Math XL FYI
page for more information :)



PowerSchool Learning (PSL) Classroom

Welcome!

› [F.A.Q.]

Week 21 ~ Feb 13 :)

Week 20 (Feb 6)

The asynchronous (anytime) *structure* of our classis located within our PowerSchool Learning classroom. It is accessible 24/7.

- ☐ 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 assignments, reminders, and a recording of our live class.

Students will be completing *all* of their graded assignments (homework and tests) through Math XL. They will have 24-7 access to step-by-step walkthroughs, videos, and resources. Grades will be transferred into PowerSchool Learning at the end of each semester.

Be sure to monitor your Math XL Gradebook.

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:
01-15-2021

Fall 2021

Classes Start: *Week of August 23rd*

Fall Break: *Week of October 11th*

Thanksgiving Break: *Week of November 22nd*

Classes End: *Week of December 13th*

Spring 2022

Classes Start: *Week of January 10th*

Spring Break: *Week of February 21st*

Easter Break: *Week of April 11th*

Classes End: *Week of May 2nd*



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

Class 4

Class 5

Class 6

Class 7

Class 8

Class 9

Class 10

Class 11

Class 12

Class 13

Class 14

Class 15

Class 16

Class 17

Class 18

Class 19

Class 20

Class 21

Class 22

Class 23

Class 24

Class 25

Class 26

Class 27

Class 28

Class 29

Class 30 Semester Review; *Test #10*



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

Do I drop the lowest grade in each category?
Yes. Yes I do.



Homework ✓ Check

1. *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!
2. Complete your Math XL homework, showing **ALL** of your work. This homework is what fuels your learning. Your written work won't be collected but it's still vitally important! 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.

Your Math XL 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 and complete your Math XL homework for mastery.

Remember:

Input = Output



Grading Policies

- Tests -

There will be Chapter Tests every few weeks, as noted on our schedule. They will be *generously* timed.

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

Tests will be fully computer graded.

(But talk to me when you've just tripped up on the formatting :)

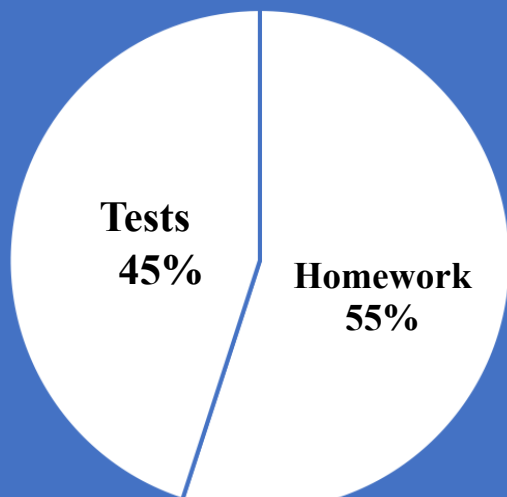
Academic Dishonesty

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.

YOUR GRADE



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