

## CALCULUS BOOK PROJECT

**Objective:** To read a book about mathematics from the selection listed below, write 2 journal/blog entries and write 4 responses to at least 3 different people's blogs.

**Grade:** 20% of your midterm grade. There will be a total of 105 points.

**Deadline:** Final deadline of entire project: December 18<sup>th</sup>. You may complete the project ahead of time. All responses and posts must have link on Calculus Google Spreadsheet for Projects. Whether completed on time or not, missing links will have late point deductions.

DUE DATES	Requirements	Pts.
December 1 <sup>st</sup> 12:00 p.m.	Blog post #1: - Responds to first half of book. - Includes paragraph on reasons for choosing book.	30
December 4 <sup>th</sup> 3:00 p.m.	Responses #1 and #2	10
December 15 <sup>th</sup> 12:00 p.m.	Blog post #2: - Responds to second half of book. - Includes paragraph with overall evaluation of book/experience.	40
December 18 <sup>th</sup> 3:00 p.m.	Responses #3 and #4	10
	Includes 3 Weebly elements	9
	Design of blog relates/represents your book.	6

**Book Check out:** I have books on hand for check-out. You will be charged replacement cost for any book damaged or lost. Be considerate of your fellow students! Feel free to use a public library as a resource as well.

**Book Sign up:** Each book has a set number of available slots. Sign up early to get your first choice! If you do not sign up for a book, I will select one still available that I believe best fits you.

### **Project Requirements:**

- (1) Format for website: MUST be a BLOG with ability to add posts and comments. Design your blog page to somehow represent your book -- use the header image, sidebar image, and author sections wisely.
- (2) Posts and responses must have link on Calculus Google Spreadsheet for Projects. Whether completed on time or not, missing links will have late point deductions. Don't forget to PUBLISH when you are finished. Failure to publish on time will result in late credit.
- (3) Each post should be 4-5 paragraphs in length. Each post needs a number and a title. You may make an audio recording your post and post it if you choose. Your book talk should be 3-5 minutes in length. However, it should be a prepared post, not a spontaneous recording. See me if choosing this option.
- (4) These posts should be a reaction to the book as you are reading it. It does not have to be formal, but must have proper grammar/writing. It should include enough information to show that you have read the material. Identify what chapters you are addressing. The quality of your response will be reflected in your grade. Ideas for topics:

*Do you agree or disagree with what is being said? Why?*

*How does this apply in your life? Have you experienced any 'ah-ha' moments for this section?*

*Does this remind you of anything? Explain. Do you find this information valuable? What and why?*

*In your opinion, is the author doing a good job of explaining himself/herself? Explain.*

*What do **you** think about what you read?*

**A summary the content will not receive full credit. I want your *opinions* on the reading as well.** Include any research you did as a result of your reading or conversations you had with others based on what you read.

- (5) Response Criteria: You may respond to someone who is reading the same book or a different book than what you have chosen. Your response must actually RESPOND to what the other person has written in his/her blog entry. Is there any other information you need? What do you think of the blogger's opinion on this material [It must be more than "I agree with you."]? Do you have any questions about the material in the book or the math involved? [A blogger who replies meaningfully will earn full points.] Responses must be 3-4 sentences in length.
- (6) *Throughout the course of the project*, incorporate at least 3 elements available in the side menus available in Weebly. Insert a picture, quote, multiple columns, "read more", video, YouTube video, audio file (record your entry instead of typing it!), photo gallery, a poll or a survey.

### BOOK SELECTIONS

Title
Abbott, Edwin A. <i>Flatland: a Romance of Many Dimensions</i> . New York: New American Library, 2005.
Aczel, Amir D. <i>Chance: a Guide to Gambling, Love, the Stock Market, &amp; Just About Everything Else</i> . New York: Thunder_Mouth P, 2004.
Baker, Stephen. <i>The Numerati</i> . Boston: Houghton Mifflin Company, 2008
Devlin, Keith and Gary Lorden. <i>The Numbers Behind Numb3rs</i> . New York: Penguin Group, 2007
Gowers, Timothy. <i>Mathematics: A Very Short Introduction</i> . New York: Oxford University Press, 2002
Huff, Darrell. <i>How to Lie with Statistics</i> . New York: W. W. Norton & Company, 1954.
Ian, Stewart. <i>Letters to a Young Mathematician</i> . New York: Basic Books, 2006.
Johnson, John H., and Mike Gluck. <i>Everydata: The Misinformation Hidden in the Little Data You Consume Every Day</i> . Brookline, MA: Bibliomotion, 2016. Print.
Kaplan, Michael and Ellen Kaplan. <i>Chances Are...Adventures in Probability</i> New York: Penguin Books, 2006
Lesmoir-Gordon, Nigel, Willrood and Ralph Edney. <i>Introducing: Fractals, a Graphic Guide</i> . London: Icon Books, Ltd. 2009
Ogawa, Yoko. <u><i>The Housekeeper and The Professor</i></u> . New York: Picador: 2010
Ouellette, Jennifer. <i>The Calculus Diaries: How Math Can Help you Lose Weight, Win the Lottery and Survive a Zombie Apocalypse</i> . New York: Penguin Group, 2010
Paulos, John Allen. <i>Innumeracy: Mathematical Illiteracy and Its Consequences</i> . New York: Hill and Wang, 2001
Pickover, Clifford A. <i>Calculus and Pizza: a Cookbook for the Hungry Mind</i> . Hoboken: Wiley & Sons, Inc., 2003.
Posamentier, Alfred S., and Ingmar Lehmann. <i>PI: a Biography of the World's Most Mysterious Number</i> . Amherst: Prometheus Books, 2004.
Seife, Charles. <i>Zero: the Biography of a Dangerous Idea</i> . New York: Penguin Books, 2000.
Singh, Simon. <i>The Simpsons and Their Mathematical Secrets</i> . Dexter: Thomson-Shore, 2013. Print.