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Let Me Help Teach Your AP Calculus Class! YouTube Videos (1/8/2020) In the largest project MMM has ever handled, we provide free YouTube videos for all AB Calculus AB and BC manuals that run hand in hand with the class assignment section. These videos I have taught the material, explained the concepts, and done most of the problem examples. This is done to help teachers teach virtually due to COVID-19. We're not doing this to replace teachers. That's never going to happen. But this video will provide support to teachers. This allows them to have students initially teach how to take derivatives and integrals and address all sorts of calculus problems, while leaving their teachers to address homework issues and reinforce what the video emphasizes. Obviously this takes time to make. All videos in the Essentials section of the manual are completed and then start working on Non-Essentials. This is being done for AB and BC. Get more information about this exciting project by clicking on the link below. YouTube Video Manual AB SM Video YouTube Manual Here is my YouTube channel: COVID-19 SUPPORT FOR TEACHERS AND STUDENTS I was concerned and fascinated about COVID-19 when it was just a small story about the outbreak in China in early 2020. Both, because teaching calculus has allowed me to understand the frightening power of exponential growth. As the plague got bigger and bigger, invading the world and then the U.S. and changing our way to life in its head, I decided that the best use of my quarantine time was to help teachers. These are the people tasked with preparing students for ap calculus or AP Statistics exams, despite not even completing the course teaching section and never seeing students face to face. In the last 40 days, I have written 20 free response questions and 160 right/wrong questions in calculus and statistics, all covering topics to be tested, all with assessment spreadsheets, all with solutions, and all completely free. I'm not at the forefront of helping amazing people in hospitals, in supermarkets, food banks, and maintaining order. But I am doing my part to help teachers and students, many of them are missing out now. Please download any and all of the material below with my compliments and please stay safe. We're going to get through this. PRACTICE AP Stat True/False Exam (4/24/20) In my efforts to communicate directly with students to help them prepare for the revised AP Statistics exam to be awarded on May 22, I have put together a free true/false stat exam on which questions are meant to be answered in minutes or less. Included is an Excel spreadsheet of assessments that will allow students to track and weaknesses. Click the link for information. Practice AB and the BC True/False Exam (4/13/20) In my efforts to communicate directly with students to help them prepare for the revised AP Calculus exam to be administered on May 12, I have put together a free 60-issue ab exam where questions are meant to be answered in a minute or less. Included is an Excel spreadsheet assessment that will allow students to track their strengths and weaknesses. Just added: the free BC exam is 50 questions and is now available. Click the link for information. Revised AP Exam Review (3/23/20) With much of the world in lockdown, the College Board voted now to revise the AP exam. I think that this is ultimately a good move because it will keep you and the students busy and give them a reason to continue in this very sad and frightening moment. I have worked hard in building examples of questions that will hopefully be similar to the kind of questions that will be asked. And it's all free, solution too. The way I increase people's efforts to support each other. Both AB and SM are now available. Click the link to see the wealth of material you now offer. Flattening the Curve (3/18/20) The world has changed radically due to the coronavirus with many of us self-quarantined and schools cancelled, perhaps for a while. We were told to practice social distancing for the purpose of flattening the curve. What does that really mean? We see the concept in terms of normal bell-shaped curves. Download documents that appear to align curves for students with different math backgrounds. Statistical students will approach it from their study of normal distribution while calculus students will overcome it by generating equations to describe the growth of the virus and using its integrals and derivatives. There are 10 problems that compare the growth of the virus in countries that are not social distance as opposed to those who do. For teachers who provide on-line learning, this document allows you to review the basic concepts of AP stat and AP calc while asking students to understand why it is so important to stay at home. Totally free. Click the link to download and feel free to share it with students. www.mastermathmentor.com/mmm-archive/CVProblem.pdf Seeing coronavirus Mathematically (2/1/20) A rare mathematical analysis of the world crisis as it happens before our eyes. If you have students who are taking pre-just or higher, they can understand this article which will be constantly updated as the number of cases of the virus increases in China. There is also a section that investigates mathematical variables (R0) that describe the spread of infectious diseases such as Also, I see a look number of cases of recovery as well as death. End of research, there is a need to use the function of pieces to describe growth. I am now looking at cases outside mainland China. Click the link to download. (Updated 3/10/20) A separate document now focuses on the effects of coronavirus in the United States. click the link to download. (Updated 3/10/20) In addition to the AB Calculus Manual (12/15/19) in the Non-Essential section of the AB Calculus manual (students and solutions), we added two pages in differential studies. It shows how differentials can be used to develop products and power rules. Go to the AB Calculus page and you can download the student version (this affects the page number of this file and the review file). If you buy a solution, contact me at team@mastermathmentor.com and I will send you a link. Optical Illusion (10/10/19) New in MasterMathMentor is a set of 64 optical illusions presented in Powerpoint documents. They are perfect for filling out the last few minutes of class when you finish the lesson early. Children will be fascinated by them and the genius it takes to find them. Best of all, they're free for all. Click the link for more information and the download link. Dorian and Me (4/9/19) See how I sweated out of Hurricane Dorian in South Florida... by establishing a calculus problem that handles his closest approach to my home. Show your students for them to understand how calculus can be used to solve real-life problems and make possibly life-saving decisions. Click on the link. Calculus Conundrums (1/8/19) Calculus Conundrums is a set of 9 open quiz questions covering all topics in the AB and BC calculus curriculum in order. The kicker is that you can't move on to the next question until you answer the current question. The question n + 1 depends on the answer of the question n, so like the Rube Goldberg machine, all questions must be answered perfectly. With questions that cover the basics, even weaker students will enjoy this. Calculus Conundrums is our new subscription and everyone who is a mastermathmentor member will receive a free student version every two weeks starting September 5. But for those who can't wait, quizzes, solutions and spreadsheet assessments are available now. For more information, click the link. ----- AP® Calculus College Board Standards (7/30/2019) For teachers with administration insisting that their AP® Calculus courses align with the new College Board Standards published in 2019, here is documentation for this alignment. Ab Ab BC Standard: ----- Free Response Question Database (4/20/19) For teachers who frequent the AP® Central () website, we have compiled a database of free response questions since 1998. It classifies the calculus topic of each question (AB and SM) so that teachers find free response issues that include certain techniques. Available in Excel or PDF. Totally free. Click on the link to check it out. Matrix (27/2/19) Our new matrix unit, which will eventually be included as one of our additional topics in pre-season, is available. This 47-page document covers the basics of matrix operations. It contains some very interesting applications that are not normally taught at the secondary school level but give students an insight into why matrices matter. Instruction about using calculators is also included. The format is the same as our popular precalculus and calculus manuals: class work and homework. The solution version also includes 2 exams. It's perfect in addition to preaxation or as a topic 2 weeks after an AP exam in calculus or precalc. Click the link for more information. Test Your Strength - SAT® and ACT® (2/18/19) Similar to the popular Test Your Strength series in AP® Calculus, AP Statistics, and now prejudice, TYS for SAT® and ACT® measures 24 areas of student skill levels in algebra, geometry, trigonometry, and probability/statistics by using a double choice exam of 72 questions. Impressive printouts tell students where to focus their studies on sat® and ACT® exams. These can be purchased by teachers with SAT ®or ACT® Review or individual students. Requires Microsoft Excel. Click the SAT link or ACT link for more information. Probability (1/14/19) Our new unit of probability, which will eventually be included as one of our additional topics in its pre-season, is available. This 99-page document includes everything that probability should be: calculate, permutations and combinations, combination and conditional probabilities, expected values, and different types of distributions. The format is the same as our popular precalculus and calculus manuals: class work and homework. The solution version also includes 3 exams. It is perfect in addition to preaxation or as a topic for a month after an AP exam in calculus or precalc. Click the link for more information. Test Your Strength Precalculus (12/11/18) Your Strength Test has been very successful for AB and SM Calculus as well as AP® Statistics. Our latest edition is the companion section for RU Ready for AP® Calculus. It is intended to be given to before they start ap calc to give them a detailed report on the areas of precalculus where they are weak. That way, they have a summer to strengthen those skills and walk into AP® calculus is safe in the knowledge that their algebra skills are strong. Check it out by clicking this link. Acrostic Calculus (1/8/18) Our subscription for this year is an acrobatic game. In 2017/2018, we did a crossword puzzle game that gave students a typical AP-free response question. This year's game focuses on multiple choice. It can be used year-round when students solve clues to spell quotes about calculus or math. There are 3 different acrobatics: derivative, integral, and BC. Teachers who are registered as MMM members will automatically receive new instructions every 3 weeks. It will be fun and challenging to play and smart Excel spreadsheets can be used to provide instant feedback. More information can be found by clicking the link. Summer Math Problems Have you ever dreamed about math? I do occasionally. I had a dream that night that involved mathematical calculations and I don't know if I was trying to do a calculation while asleep or in that limbo. The dream involved me running a workshop at a school a few mornings. For some reason, participants are only male. Similar workshops are run in other rooms for women. In both workshops, everyone is required to shake hands. In the afternoon, the two groups gathered and all the men shook hands with all the women. For some reason in the dream, I was interested in whether there were more total handshakes in the morning or in the afternoon. Strange thing to dream about! I try to calculate if there is a group size when the total of morning handshakes and afternoon handshakes is the same. I couldn't find anything, but then, I kind of fell asleep. It wasn't until I woke up and four hours later, the dream came to me when I was cycling. I went home and gathered some trouble about it. So regarding the number of handshakes, which one is right? More importantly, can you prove your answer? (A) There are always more handshakes in the morning. (B) There are always more handshakes in the afternoon. (C) There is no group size where the number of morning handshakes and afternoon handshakes is the same. (D) There are a limited number of group sizes where the number of morning handshakes and afternoon handshakes is the same. (E) There are an infinite number of group sizes where the number of morning handshakes and afternoon handshakes is the same. Think about it. If you want answers, click the following link. Handshake problem If after reading my solution, you have more insight into the problem, write me on the ssschwartz8128@gmail.com. ssschwartz8128@gmail.com, I'm sorry. Answer to the Calculus Manual 12/25/17 We have added the answer to the AB and BC Calculus manuals. Teachers can give this to students who want to check homework answers. Buyer manual solutions AB and BC are sent download links and new buyer solutions will automatically receive the answers as well. They are also available as separate purchases. AB Answers BC Answers Test Your Strength Stat (12/13/17) 50 multiple choice test diagnostic questions covering every aspect of the AP exam® Statistics. The student version of the exam is free and the solution includes an excellent Excel spreadsheet that will detail each statistical topic and the student's understanding of it. This is an amazing tool to give a few weeks before the AP exam® so that students can see where their strengths and weaknesses lie. The issue is broken down into topics in the 5 main sections of the AP curriculum® Stat and further broken down into whether the problem is calculation-oriented or more based on reading and terminology. This product is very similar to the highly successful Test Your Strength: AP® Calculus. More information R.I.P. - Newton, Calculus Cat Newton has made a number of appearances in pre-existing issues, calculus, and statistics in my material. Many students fell in love with his antics and in 2006, I decided to make it part of the website. One of my former students Sam Tsui (now a big YouTube singing star), pulled it into our logo. And when I decided to make cartoons for my product, Newton played a prominent role. He has become a biker, an archaeologist, and a teacher. She has dived into the pool, helped swami, joined the carnival, and hung from the catenary. He has left this world but he is still alive in all these images. I won't forget it soon. He's my friend. Change to Calculus Cache (1/10/17) Because ap® the exam multiple choice question contains 4 options, we have changed the Calculus Cache so that all questions now have 4 options. While version 5 options are available upon request, downloading the Calculus Cache student exam questions will give you version 4 options. Solution buyers in Word format can sign in and when they download the solution, they will get version 4 of the option. They will also be contacted via email with a download link. Across & Down (1/9/17) Getting AP® Calculus - Across & Down is a crossword puzzle. However, the clue is a calculus problem and the answer is the numbers 0 - 9 and negative signs. It covers all aspects of AB calculus and the problem is easier than a complex ap ® type question. It's very valuable as a subscription... MasterMathMentor members will receive a new set of instructions each week starting September 14. They're into it, that comes out of it (with (with Manual calculus so you can give it to children from the first day of the course. Or you can give it at the end of the year as a review. This will work great as a review for high school students as well. If you are a MasterMathMentor member, you will receive it by email every Thursday starting in September. Or click the link below to get student downloads every week. For more information, click the link. Clue revision game - 7/1/17 Calculus does not change but the suspect certainly did. In 2006, we had suspects such as OJ Simpson, Paris Hilton, Usher, Kobe Bryant, Martha Stewart, Jack Nicholson, Michael Jordan, John Kerry, Donald Rumsfeld, Kate Winslett, Tony Soprano, Lance Armstrong, Nemo, George Foreman and Emiri Lagasse. What students will recognize these names today? The only names left on our original list are Tom Cruise, Bill Gates, and Hillary Clinton. So we revised the hint card with a more contemporary name in the news. Clue game buyers can email me at the team@mastermathmentor.com and I'll send you a revised hint card. Your Strength Calculus Test - 4/1/17 Your Strength Test is a 50-question multiple-choice diagnostic exam that focuses on all aspects of the AP® AP curriculum. The free student version and solution version includes an excellent Excel spreadsheet template that quickly assesses student exams and provides detailed reports on how students perform in all questions and strengths and weaknesses in all topics. There is an AB version as well as a BC version that includes the AB/BC exam, similar to the actual AP® exam, as well as a BC-specific exam that focuses as much as possible on strict BC topics. AB Test Your Strength BC Test Your Strength Ahead of the Curve It compensates free of charge from 32 mathematical curves with exotic names such as conchoids, foliums, pearls, conchoids, cisoids, strophoids, and devil's curves subject to students' calculus skills in finding tangent lines, areas, volumes, and arc lengths. Algebra skills are challenged and students are encouraged to use this workbook along with computer graphics applications. Read more about it by clicking the link. Added 1/1/17: SAT® Clue is completely new and represents the first material MasterMathMentor.com not written by Stu. The film was written by Dr. Sheldon Goldberg who has extensive knowledge of sat Math exams including recent revisions to exams. The game is like our popular Calculus Clue game but this one has students who determine the future of college, the profession of the future, and the future of the city by solving clues in the form of examples of SAT® math problems. It's fun and instructive and a student version with no solution is available for free. Check it out by clicking this

normal\_5fbc8a4ab6748.pdf , popular hashtags today facebook , normal\_5f8cb74437990.pdf , e-fields\_phet\_minilab\_answers.pdf , normal\_5fd674fba9cec.pdf , d&d 5e way of the four elements remastered , domestic thermostat installation instructions , normal\_5fc8fd43bb599.pdf , normal\_5fbf6902353a9.pdf , engine cooling system troubleshooting pdf , job skills vocabulary pdf , mock trial cases uk ,