

**THE CHAT IS CURRENTLY “CLOSED”**

**Feel free to read through the chat. If you have further questions, I will be available on Tuesday from 7-8am, Tuesday during 2nd lunch.**

**Welcome to the Math Analysis Final Exam Chat!**  
**(class final & CST final)**

**Please feel free to participate in several ways:**

- 1) Write a math-related question in the chat table below. These questions will be available to *anyone* at *anytime*.
- 2) Ask any other questions in the chat box on the right. Please note that anything posted in the chat box can only be viewed by people currently active, and not people that log in later. (where it says if there are other viewers, you click on there to open the chat box)
- 3) Answer other people's questions by typing in the chat table or the chat box.

**Resources for you:**

- Review for #1-40 (all day Monday)  
<https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbXraXJjaHVwbG9hZHNpdGV8Z3g6YzEyNGNIYTgyNTc0MDk0>
- Review for #41-60 (all day Tuesday)  
<https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbXraXJjaHVwbG9hZHNpdGV8Z3g6NjdhdjVjOTc5Y2Y1MzU0Yw>
- **Videos working out CST released questions from Khan Academy. Alg1 and Alg2 #'s should be correct; Geom #'s are not matched up perfectly, but close enough.**  
<http://www.khanacademy.org/test-prep/california-standards-test/>

| Name   | Question                                                                | Answer                                                                                                                                                        |
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| evelyn | on number 15 of the algebra 1 cst packet, how would u make an equation? | the \$750 is like the “fixed” cost, whereas the “250” is the variable cost.<br><br>So, it would be $750+250x$ and you don't want to exceed 2500<br>So, set up |

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|         |                                                                                                                                                                                                                                                                                                                                                                                              | 750+250x=2500 and solve from there.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Richard | <p>For problems that have inequality graphs that have shading ( like numbers 27 &amp; 29 on Alg1) how do we know which side to shade on?</p> <p>Also this applies to problems with multiple equations like 6 &amp; 8 in Alg2 as well right?</p> <p>So &gt; &amp; &lt; are dotted because they don't include while <math>\geq</math> and the other one are solid because they include it.</p> | <p>Whatever ordered pair is "true" is shaded. So, for those problems I would pick a shaded ordered pair (27 has (0,0) and 29 has (0,0) as well!) and plug it in for x and y to see which equation ALSO has it being true.</p> <p>Do this AFTER you eliminate any illogical answers:</p> <p>For 27, you need to eliminate two answers first, based on the fact that the line is SOLID (so A and C are out).</p> <p>For 29, you need to eliminate the two equations that aren't possible (C and D) because that isn't what the graph is.</p> <p>Yes, this also applies to #6 and 8 in Algebra 2. Same idea :)</p> <p>Yes, you are correct with the solid (includes) and dotted/dashed (does not include) :)</p> |
| Richard | How would we go around solving number 52 from Alg1?<br>that makes sense ok.                                                                                                                                                                                                                                                                                                                  | <p>Perimeter is the measure around the figure. So, you just need to add up all the sides and combine like terms appropriately.</p> $(x+13) + (3x+2) + (x+5) + 2 + 8 + 3x$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Richard | One that I was always just told to guess on have been the juice problems like number 90 on Alg1. Can you work it out? yay.                                                                                                                                                                                                                                                                   | <p>I will make a quick educreations and post it here.</p> <p>Algebra 1 #90 <a href="http://edcr8.co/IfYaoe">http://edcr8.co/IfYaoe</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Richard | Do you mind also explaining, or showing in a video, how to do arc measurements like in 90 to 92 in geometry? Yay!                                                                                                                                                                                                                                                                            | <p>Geometry #90 <a href="http://edcr8.co/J0oqil">http://edcr8.co/J0oqil</a></p> <p>Geometry #91 <a href="http://edcr8.co/J0olvD">http://edcr8.co/J0olvD</a></p> <p>Geometry #92 <a href="http://edcr8.co/J0oIM1">http://edcr8.co/J0oIM1</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| evelyn  | On #74 of the algebra 1 part, how do you solve for seconds?                                                                                                                                                                                                                                                                                                                                  | <p>t represents time in seconds. All you need to do is plug in the given information. s = distance traveled = 84; v = initial velocity = 10</p> <p>So, the equation you have is</p> $84=10t+16t^2$ <p>Get everything to one side so you have</p> $16t^2+10t-84=0$ <p>Solve using factoring (after you pull out a GCF)</p>                                                                                                                                                                                                                                                                                                                                                                                     |

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| laura      | is the entire final multiple choice?                                                                                                                                                                                                                                                                                                            | yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Amy N      | <p>please re-explain the limit notation in the graphing rational functions unit?</p> <p>Number twelve on the Final review part 1!</p> <p>And this also applies to no. 13, I'm mostly confused about how to decipher whether it's - or + and ballahhgh, yes! ):</p>                                                                              | <p>You do not need to worry about limit notation for the final exam. You just need to be able to identify WHERE the asymptotes are.</p> <p>If you still really want to re-learn the limit notation, we can go over it in class when we continue with limits for Unit U :)</p> <p>For example, the answers to #12 are<br/>12) Vertical Asym.: <math>x = -1</math>, <math>x = 2</math> Holes: None</p> <p>And, the answers to #13 are:<br/>13) Horz. Asym.: <math>y = 2</math></p> <p>It will be multiple choice and you just have to be able to identify them.</p> |
| Paulina J. | Mrs. Kirch HI! do you have an answer key for this because im not sure if im getting my answers right . Ohh okay                                                                                                                                                                                                                                 | <p>Hi Paulina :)</p> <p>The documents with all answer keys should be up top (top of chat page).</p> <p>For the CST packet, there are 3 sections and 3 answer keys (answer keys are right after their respective sections).</p> <p>For the Finals Review, the answer key should be at the end.</p>                                                                                                                                                                                                                                                                 |
| Paulina    | <p>And for number 9 on the final review part 1</p> <p>How do we describe the end behavior of the function? <math>f(x) = -x^3 + 2x^2 + 2</math> OHHHHH okay</p> <p>okay thank you YES! Thanks mrs. kirch okay</p> <p>Got It!</p>                                                                                                                 | <p><math>f(x) \rightarrow +\infty</math> as <math>x \rightarrow -\infty</math></p> <p><math>f(x) \rightarrow -\infty</math> as <math>x \rightarrow +\infty</math></p> <p>Remember this :)</p> <p>No problem!</p> <p>Since this will be multiple choice, that is what the answers will look like. However, when I taught it to you, we switched the order around... we said</p> <p>as <math>x \rightarrow -\infty</math>, <math>f(x) \rightarrow +\infty</math>... but it means the same thing</p>                                                                 |
| lupita A.  | <p>Mrs. Kirch I'm not sure how to do number 10 on the 2nd semester final exam review...the one that asks to write a polynomial with the given zeros</p> <p>the video tutorial would be very helpful :) could you do a video for me please</p> <p>thank you :D that really helped I guess i kept messing up because i wasn't using the boxes</p> | <p>Write the polynomial with the given zeros</p> <p>10) <math>2, 0, 1 + 2i, 1 - 2i</math></p> <p>Set up the factors with these zeroes<br/><math>(x-2)(x)[x-(1+2i)][x-(1-2i)]</math></p> <p>Look in your Unit E Concept 6 SSS</p> <p>The first part is easy - just distribute <math>x^2 - 2x</math></p> <p>The second part you need to deal with the negatives first and then multiply with a <math>3 \times 3</math> box</p>                                                                                                                                      |

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|           | <p>:) You're welcome - the boxes really help keep me organized!</p>                                                                                                                                          | <p><math>x-1-2i</math> and <math>x-1+2i</math></p> <p>Once you have that answered, you mu[st multiply those answers together.<br/> <b>VIDEO TUTORIAL HERE:</b> <a href="http://edcr8.co/lqV2ol">http://edcr8.co/lqV2ol</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Stephanie | <p>How would you solve number 39 on the Algebra II packet? I made them have a common denominator but im stuck ok thank you :]</p> <p>got it thank you, I had multiplied across but that did not work out</p> | <p>Several ways - good start to have a common denominator</p> <p>Let me do this one on video - give me a minute</p> <p><b>VIDEO TUTORIAL HERE:</b> <a href="http://edcr8.co/lqZ2VT">http://edcr8.co/lqZ2VT</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| lizeth r. | <p>I don't remember if you mentioned this or not, but are we allowed to use anything for the final? kay! thanks!</p>                                                                                         | <p>FINAL EXAM CLARIFICATION (with all the changes!)</p> <p>Some people have already started on the final and it's taking a little longer than planned, so...</p> <p>MONDAY AND TUESDAY</p> <p>Final Exam #1-40. Whatever you don't finish by tomorrow at 4pm CANNOT BE COMPLETED.</p> <p>You may use your Portfolios on this test and a calculator for #1-20 and 39. No calculator will be allowed for 21-40 (excluding #39)</p> <p>TUESDAY HW - Watch trigonometry project instructions</p> <p>WEDNESDAY (with sub)</p> <p>Trigonometry Project in class</p> <p>WEDNESDAY HW - work on trigonometry project a bit + finish CST packet questions</p> <p>THURSDAY (with me)</p> <p>Final Exam #41-60. This will also give you some extra time to study those CST QUESTIONS!</p> <p>You may use NO NOTES and NO CALCULATOR on this portion of the final exam.</p> <p>From those three sections, the questions will be given as follows:</p> <p>5 from the Alg1 section</p> <p>10 from the Geom section</p> <p>5 from the Alg 2 section</p> |

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|  |  | <p>THURSDAY HW - Intro to Calculus Playlist<br/>(kirchmathanalysis.blogspot.com under Unit U/V tab). These videos are only on YouTube!! Sorry!)</p> <p>FRIDAY (with me)<br/>Trigonometry Project, Calculus intro, pick up Unit U Materials</p> <p>FRIDAY HOMEWORK:<br/>Finish Trigonometry Project (due Friday by 4:30pm!)<br/>Unit U Concept 1 WSQ</p> |
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