

September, 2017

Monday	Tuesday	Wednesday	Thursday	Friday
<p>4 Labor Day!</p>	<p>5 Limits from Tables and Graphs</p> <p>1.2 #7, 17, 19, 25, 37, 41, 63, 65, 66 (for #37, 41 just find the limits)</p>	<p>6 Algebraic Limits</p> <p>1.2 #26 1.3 #17, 23, 29, 37, 49, 55, 61, 73, 77</p>	<p>7 Continuity</p> <p>1.3 #57, 75 1.4 #13, 17, 37, 43, 47, 57, 59 (for #37, 43, 47, use the def. of cont. to explain why the discont. exists for every x-value of discont.)</p>	<p>8 IVT and Limits approaching infinity</p> <p>1.4 #77, 83 1.5 #1, 11, 15, 33, 39, 43, 57, 60</p>
<p>11 Review!</p> <p>Schoology review assignment</p>	<p>12 Review!</p> <p>Study!!</p>	<p>13 Chapter 1 Test</p>	<p>14 Definition of Derivatives</p> <p>Schoology Ch 1 reflection 2.1 #21, 23, 25a, 35, 41, 49, 51, 53, 59, 81, 85</p>	<p>15 Derivative Rules</p> <p>2.1 #55, 83 2.2 #27, 35, 37, 43, 47, 49, 51</p>
<p>18 More Derivatives with PVA</p> <p>2.2 #55a, 57, 63, 89, 93, 94, 97, 99</p>	<p>19 Product/Quotient Rules</p> <p>2.2 #95, 96 2.3 #15, 17, 21, 25, 33, 35</p>	<p>20 Product/Quotient Rules continued</p> <p>2.1 #17 2.3 #41, 45, 51, 67a, 73, 81, 93, 107</p>	<p>21 Chain Rule</p> <p>2.3 #53, 97 2.4 #13, 23, 39, 61, 67a</p>	<p>22 Chain Rule continued <i>Pep fest day</i></p> <p>2.4 #43, 47, 49, 65, 73a, 83, 85, 99</p>
<p>25 Implicit Differentiation</p> <p>2.4 #97 2.5 #9, 15, 25, 27, 35, 49, 53, 66, 67</p>	<p>26 Related Rates</p> <p>2.5 #5, 57 2.6 #3, 7, 13, 15, 19, 21, 23</p>	<p>27 Related Rates continued</p> <p>1.4 #85 2.6 #27, 29, 31, 33, 35, 36, 43, 45</p>	<p>28 Review!</p> <p>Review #3, 7, 41, 43, 47, 53 AP AB problems: 1994 #3 and 1991 #6</p>	<p>29 Review! <i>Pep fest day</i></p> <p>Review #55, 67, 71, 91, 101, 107, 113 AP AB problem: 1995 #2a, b</p>

October, 2017

Monday	Tuesday	Wednesday	Thursday	Friday
<p>2</p> <p>Test on Derivatives!</p>	<p>3</p> <p>Critical Values and Absolute Extrema</p> <p>3-1, pg 169 - 170</p> <p>#1 – 35 odds, 53 – 57 odds</p>	<p>4</p> <p>Mean Value and Rolle’s Theorems</p> <p>3-2, pg 176 - 178</p> <p>#1 – 27 odds, 35 – 45 odds, 51, 63, 67</p>	<p>5</p> <p>First Derivative Test for Relative Extrema</p> <p>3-3, pg 186 - 187</p> <p>#1 – 39 odds, 55 – 69 odds, 79</p>	<p>6</p> <p>Concavity and Points of Inflection</p> <p>3-4a, pg 195</p> <p>#1 – 25 odds</p>
<p>9</p> <p>2nd Derivative Test</p> <p>3-4b, pg 195 - 196</p> <p>#27 – 39 odds, 45 – 57 odds, 65, 67</p>	<p>10</p> <p>Limits at Infinity</p> <p>3-5, pg 205 – 206</p> <p>#3, 5, 7, 15 – 39 odds, 55 – 71 odds</p>	<p>11</p> <p><i>Parent conferences 4 – 7 pm</i></p> <p>Curve Sketching</p> <p>3-6, pg 215 - 216</p> <p>#7 – 33 odds, 39 – 45 odds</p>	<p>12</p> <p>Optimization</p> <p>3-7a, pg 223 - 224</p> <p>#3 – 27 odds</p>	<p>13</p> <p>teacher workday</p>
<p>16</p> <p><i>parent conferences 4 – 7 pm</i></p> <p>Optimization continued</p> <p>3-7b, pg 224 - 225</p> <p>#29, 33 – 45 odds, 61</p>	<p>17</p> <p>Newton’s Method</p> <p>3-8, pg 233 - 234</p> <p>#5 – 17 odds, 21, 35</p>	<p>18</p> <p>PSAT day</p> <p>Catch-up day!</p> <p>Enjoy your weekend!</p>	<p>19</p> <p>No School MEA</p>	<p>20</p> <p>No School MEA</p>
<p>23</p> <p>Differentials/Propagated Error</p> <p>3-9, pg. 240</p> <p>#11 – 19 odds</p>	<p>24</p> <p>Big Quiz Day! (Teachers out at AP workshops today)</p> <p>Review, Pg 242 - 244</p> <p>#3, 9 – 23 odds, 27, 33 – 43 odds, 59 – 65 odds, 69, 71, 77, 81, 85, 87</p>	<p>25</p> <p>Review!</p> <p>Study!</p>	<p>26</p> <p>Review!</p> <p>Study</p>	<p>27</p> <p>Test on Curve Sketching!</p>

November, 2017

Monday	Tuesday	Wednesday	Thursday	Friday
30 Antiderivatives day 1 4-1a, pg 255 #7, 9, 11, 13, 17, 21, 27, 29, 33, 35, 37, 39, 41	31 Antiderivatives day 2 4-1b, pg 257 – 258 #55, 59, 61, 67, 69, 73, 77, 79, 83, 85	1 Riemann Sums 4-2a, pg 267 – 268 #1, 11, 13, 15, 17, 23, 25, 27, 29, 63 (for #27, 29, find left, right and midpoint sums)	2 Riemann Sums continued 4-2b, pg 268 – 269 #31, 33, 39, 41, 43, 49, 53, 59	3 Definite Integrals and Area 4-3a, pg 278 – 279 #3, 7, 13, 17, 21, 23, 25, 31
6 Properties of Integrals 4-3b, pg 279 – 281 #33, 35, 37, 43, 45 (left and right), 47, 53, 63, 67	7 Fund Thm of Calculus 4-4a, pg 291 #5, 9, 11, 13, 15, 19, 23, 25, 27, 29, 31, 35, 41	8 Second Fundamental Theorem of Calculus 4-4b, pg 291 – 293 #43, 45, 47, 49, 51, 55, 57, 59, 60, 69, 73, 75, 79, 81, 85, 89, 91, 93	9 Last Day of 1st Qtr Catch-up day	10 No School! Grading day
13 U-Substitution 4-5a, pg 304 #7, 11, 13, 17, 21, 25, 27, 29, 31, 35, 37	14 U-Substitution with Definite Integrals 4-5b, pg 304 – 305 #43, 47, 49, 51, 53, 57, 63, 65, 69, 71, 73, 75, 77, 79	15 Trapezoid Rule worksheet	16 Review! Pg 316 - 317 #3 – 15 odds, 21, 23, 27, 31, 41, 43, 45, 47, 49	17 Review! Pg 317 – 318 #55, 59, 61, 63, 65, 69, 71, 73, 75, 77, 79, 81, 85, 87
20 Test on Integrals part 1	21 Test on Integrals part 2	22 No School!	23 Thanksgiving!!	24 No School!
27 Review of Logarithms 5-1, pg 329 #7 – 15 odds, 25, 33, 37, 39	28 Natural Log Derivatives 5-1b, pg 330 – 331 #47, 49, 53, 55, 59, 71, 77, 83, 85, 87, 93, 95, 97, 103, 106	29 Natural Log and Basic Trig Integrals 5-2, pg 338 – 339 #5, 9, 11, 13, 15, 19, 21, 25, 29 – 35 odds, 47, 49, 63, 91, 93	30 Derivatives of Inverse Functions 5-3, pg 347 – 349 #9, 11, 13, 16, 23, 25, 29, 31, 35, 37, 43, 71, 73, 75, 81, 95	1 e^x 5-4a, pg 356 – 357 #1 – 17 odds (exact answers only), 31 - 47 odds, 49, 55, 59, 61

December, 2017

Monday	Tuesday	Wednesday	Thursday	Friday
<p>4</p> <p>Integral of e^x</p> <p>5-4b, pg 357 – 358</p> <p>#65, 69, 73, 85, 89, 93, 97, 99, 103, 107, 109, 113, 115</p>	<p>5</p> <p>Derivatives with other bases</p> <p>5-5a, pg 366</p> <p>#1, 3, 15, 17, 21, 23, 27, 29 (no decimals), 37 – 51 odds</p>	<p>6</p> <p>Integrals with other bases</p> <p>5-5b, pg 366 – 367</p> <p>#53 – 71 odds, 75, 77, 79, 91</p>	<p>7</p> <p>Inverse Trig Derivatives</p> <p>5-6, pg 377 – 378</p> <p>#5 – 11 odds, 17, 19, 21, 25, 31, 43, 47, 51 – 59 odds</p>	<p>8</p> <p>(Celebration schedule) Inverse Trig Integrals</p> <p>5-7, pg 385 – 386</p> <p>#15 – 41 odds, 55</p>
<p>11</p> <p>Differential Equations - Growth and Decay</p> <p>6-2, pg 418 - 419</p> <p>#23 – 27 odds, 33, 35, 45, 57, 59, 63, 71, 73 – 76 all</p>	<p>12</p> <p>Differential Equations – General and Particular Solutions</p> <p>6-1, pg 409, #37 – 47 odds AND 6-3, pg 429, #1 – 19 odds, 23, 55, 57</p>	<p>13</p> <p>Slope Fields</p> <p>6-1, pg 410 #53 – 57 all, 59, 61 AND 6-2, pg 418 #15, 16 parent conferences 4 – 8 pm</p>	<p>14</p> <p>Review!</p> <p>Pg 399 – 400</p> <p>#1 – 23 odds, 31, 33, 39 – 55 odds</p>	<p>15</p> <p>Review!</p> <p>Pg 400, #59, 63 – 73 odds, 79 – 89 odds</p> <p>Pg 442, #11, 27, 31, 33, 35, 41</p>
<p>18</p> <p>Test on Logs, e^x, Inverse Trig and Differential Equations Part I</p>	<p>19</p> <p>Test on Logs, e^x, Inverse Trig and Differential Equations Parts II and III</p>	<p>20</p> <p>Area Between Curves</p> <p>7-1, pg 452 – 454</p> <p>#3, 13, 15, 21, 25, 29, 31, 75</p>	<p>21</p> <p>Review day</p>	<p>22</p> <p>No School!</p>
<p>25</p> <p>No School!</p>	<p>26</p> <p>No School!</p>	<p>27</p> <p>No School!</p>	<p>28</p> <p>No School!</p>	<p>29</p> <p>No School!</p>

January, 2018

Monday	Tuesday	Wednesday	Thursday	Friday
1 NO SCHOOL!	2 NO SCHOOL!	3 Volume using Discs 7-2a, pg 463 – 464 #2, 7, 9, 19, 23, 27, 31, 33, 53	4 Volume using Washers 7-2b, pg 464 – 465 #5, 11, 13, 17, 20, 29, 32, 46	5 Volumes using Cross Sections 7-2c, pg 465 - 466 #61, 62, 63 (note the area of an ellipse is πab where a and b are the horiz and vert 'radii')
8 Volumes using Shells 7-3, pg 473 – 474 #3, 7, 9, 17, 21, 27, 37, 57	9 Arc Length and Surface Area 7-4, pg 483 – 485 #5, 13, 19, 37, 39, 43, 45, 49, 53	10 Review of Integration Rules 8-1, pg 522 #17, 21, 23, 31, 35, 37, 39, 41, 47	11 Integration by Parts 8-2a, pg 531 #13, 17, 19, 25, 29, 31, 33, 35, 37, 39	12 Integration by Parts Continued 8-2b, pg 531 – 532 #47, 51, 53, 55, 63, 71, 103 a, b, c
15 No School!	16 Trig Integrals 8-3a, pg 540 #5, 9, 13, 17, 25, 29, 31, 35, 41	17 Review! Pg 513 – 514 #1 – 9 odds, 17, 21 – 31 odds, 37	18 Review! pg 589 #1 – 13 odds, 17, 19, 21	19 Test on Area, Volume and Integration
22 Review for final	23 Review for final	24 Final Exam No calculator portion	25 End of 2 nd Quarter Final Exam Calculator portion	26 No School! Grading day

February, 2018

Monday	Tuesday	Wednesday	Thursday	Friday
29 Euler's Method 6-1, pg 410 - 411 #69 - 77 odds	30 Trig Substitution 8-4, pg 549 #21, 23, 25, 27, 31, 39, 71, 73	31 Partial Fractions 8-5a, pg 559 #7, 11, 13, 15, 19, 23, 27	1 Partial Fractions continued 8-5b, pg 559 - 560 #29, 31, 41 - 49 odds, 65	2 Logistic Equations 6-3, pg 431 #67 - 79 odds
5 L'Hopital's Rule 8-7a, pg 574 #5, 7, 15, 19, 23, 25, 31, 33, 35	6 L'Hopital's Rule cont'd and comp growth rates 8-7b, pg 574 - 576 #39, 43, 45, 49, 51, 65, 67, 69, 97, 99	7 Improper Integrals and Convergence 8-8a, pg 585 #9, 15, 21, 23, 25, 27, 31	8 Improper Integrals Continued 8-8b, pg 585 - 586 #33, 39, 43, 45, 47, 49, 55, 57, 73	9 Review! Pg 589 #1 - 37 odds
12 Review! Pg 590 #49 - 65 odds, 73 - 85 odds	13 More review	14 Test on Euler's Method, More Integrals and L'Hopital	15 Infinite Sequences 9.1a, pg 602 #1, 7, 11, 17, 19, 25, 29, 31, 33, 35, 37, 39	16 Convergence/Divrgnce 9.1b, pg 602, 603 #47, 51, 53, 57, 59, 65, 69, 77, 80, 83, 89, 91, 115
19 No School! Teacher workday	20 Geometric Series 9.2a, pg 612 - 613 #3, 5, 7, 13, 15, 19, 23, 27, 35, 41, 45, 49	21 Geometric Convergence/Divergence and nth term test 9.2b, pg 613 #51, 55, 57, 59, 63, 67, 69, 77, 79, 81, 83, 85, 95, 99	22 Integral Test and p-series 9.3, pg 620 - 621 #3, 9, 13, 15, 17, 21, 25, 29, 33, 35, 41, 79, 83, 87, 89	23 Limit and Comparison Tests 9.4, pg 628 - 629 #3, 5, 7, 9, 11, 15, 17, 21, 23, 25, 27, 29, 31, 33, 35 Weekly Review Quiz #1

AP Calculus BC

March, 2018

Monday	Tuesday	Wednesday	Thursday	Friday
<p>26</p> <p>Alternating Series</p> <p>9.5a, pg 636 – 637 #11, 15, 19, 21, 29, 49, 55, 59, 79, 81, 83, 85, 87 parent confcnrcs 4 – 7 pm</p>	<p>27</p> <p>Alternating Series Remainder Theorem</p> <p>9.5b, pg 637 #37 – 45 odds</p>	<p>28</p> <p>Ratio and Root Tests</p> <p>9.6a, pg 645 - 646 #5, 7, 13, 17, 21, 25, 29 – 37 odds, 41, 43, 47, 49 parent confcnrcs 4 – 7 pm</p>	<p>1</p> <p>Review of all Convergence Tests</p> <p>9.6b, pg 646 #51 – 67 odds Weekly Review Quiz #2</p>	<p>2</p> <p>No School!</p>
<p>5</p> <p>Review day</p> <p>p. 688 – 689 #1, 3, 5, 9, 11, 13, 15, 23 – 51 odds</p>	<p>6</p> <p>Review day</p>	<p>7</p> <p>Test on Series and Convergence Tests</p>	<p>8</p> <p>AP Practice Day!</p>	<p>9</p> <p>Taylor and Maclaurin Polynomials 9.7a, pg 656 #1, 3, 13, 17, 19, 21, 27, 29 Weekly Review Quiz #3</p>
<p>12</p> <p>Lagrange error theorem</p> <p>9.7b worksheet</p>	<p>13</p> <p>Interval and Radius of Convergence of Power Series</p> <p>9.8a, pg 666 #1, 5, 9, 11, 15, 19, 23, 27, 31</p>	<p>14</p> <p>Convergence of Power Series continued</p> <p>9.8b, pg 666 – 667 #35, 37, 43, 45, 47</p>	<p>15</p> <p>Creating Power Series</p> <p>9.9a, pg 674 #5, 11, 13, 15, 19, 21, 25</p>	<p>16</p> <p>Creating Power Series continued</p> <p>9.9b worksheet Weekly Review Quiz #4</p>
<p>19</p> <p>Taylor and Maclaurin Series</p> <p>9.10a, pg 685 #1, 5, 9, 11, 21, 25, 27, 31</p>	<p>20</p> <p>Taylor and Maclaurin Series</p> <p>9.10b, pg 685 – 686 #37 – 47 odds</p>	<p>21</p> <p>Review!</p> <p>pg 689 – 690 #57, 65, 67, 69, 73, 75, 79, 83,</p>	<p>22</p> <p>Review!</p> <p>worksheet</p>	<p>23</p> <p>Review!</p> <p>Weekly Review Quiz #5</p>
<p>26</p> <p>Test on Series</p>	<p>27</p> <p>Parametric Equations</p> <p>10.2, pg 716 #3, 11, 21, 29, 39, 41, 43, 45, 51, 53</p>	<p>28</p> <p>Derivatives of Parametric Equations</p> <p>10.3a, pg 725 #7 – 15 odds, 21, 23, 27, 31, 33, 35</p>	<p>29</p> <p>Last day of 3rd Quarter</p> <p>Review of Vectors</p> <p>HW: Worksheet</p>	<p>30</p> <p>NO SCHOOL! Grading day</p>

AP Calculus BC

April, 2018

Monday	Tuesday	Wednesday	Thursday	Friday
2 NO SCHOOL!	3 NO SCHOOL!	4 NO SCHOOL!	5 NO SCHOOL!	6 NO SCHOOL!
9 Arc Length with Parametric Equations 10.3b, pg 725 - 727 #37 - 51 odds	10 Polar Coordinates and Graphs (extended connections, shorter classes) 10.4, pg 736 #1, 3, 7, 9, 23, 25, 29, 31, 35, 37, 39, 43, 47	11 Area between Polar Curves 10.5a, pg 745 #1 - 23 odds	12 MCA - Math/Reading for 10 th /11 th graders Late start for 9 th /12 th graders - 1 st period starts at 10:30 AP Practice Day	13 More Area Between Polar Curves 10.5b, pg 746 #31 - 39 odds Weekly Review Quiz #6
16 BIG QUIZ Pg 756 - 757 #1, 3, 5, 37 - 45 odds	17 review Pg 757 - 758 #47, 49, 54, 99, 101	18 ACT - 11 th graders ASPIRE - 9 th graders Virtual day - 10 th , 12 th graders HW - Free response #1, 2	19 review	20 Chapter 10 test Weekly Review Quiz #7
23 BC Multiple Choice practice Free response #3, 4	24 BC Multiple Choice practice Free response #5, 6	25 Score and review practice BC exam	26 review day	27 Final Exam Free response portion Weekly Review Quiz #8

AP Calculus BC

May, 2018

Monday	Tuesday	Wednesday	Thursday	Friday
30 Final Exam Multiple choice part 1	1 Final Exam Multiple choice part 2	2 Review day	3 Review day	4 Review day Weekly Review Quiz #9
7 Review day	8 AP CALCULUS EXAM!!	9	10 Parent conferences 4 – 6 pm	11
14	15	16	17	18
21	22	23	24	25

AP Calculus BC

June, 2018

Monday	Tuesday	Wednesday	Thursday	Friday
28 No School! MEMORIAL DAY!	29	30	31	1
4	5 QUIZ	6 LAST DAY FOR SENIORS	7 LAST DAY FOR 9 th – 11 th GRADES	8