

MAT 4124--Advanced Placement Calculus AB
ASSIGNMENT SHEET SPRING 2020

| SECTION | ASSIGNMENT | DATE ASSIGNED | DATE DUE |
|-------------|---|---------------|----------|
| 4.2 Part I | p. 267=14,15,18,23,24,28(by hand using $n=8$),33,34,39,40,41,42, 46ae* *= Use TI program for S(n),s(n), and M(n) | 1/6/20 | 1/8/20 |
| 4.2 Part II | p. 267 =9,10,17*,20*, 25,26,47+,50+,51+,52+,72 *=expand 1 st + = work on \sum part & then take limit at the end | 1/8/20 | 1/10/20 |
| 4.3 Part I | p. 278= 4,7,9,10,15,20, 47abde,51,52,65,66,67,69 | 1/10/20 | 1/13/20 |
| 4.3 Part II | p. 278= 3,18,23,26,31,41,44,48acef,49 | 1/13/20 | 1/15/20 |
| 4.4 Part I | p. 291= 1,2,5,9,14,27,30,33,36,37,43(set-up MVT equation and then solve eq on calculator), 47,50,54,55,56,60 | 1/15/20 | 1/17/20 |
| 4.4 Part II | p. 291= 15,20,28,38,46,48,57,58,63,75,83,89,94 p. 304= 31 | 1/17/20 | 1/22/20 |
| 4.5 | p. 304= 1,3,9,16,22,27,31,33,35,45,48,53,57,77,78,90,101,105 | 1/22/20 | 1/24/20 |
| 4.6 | NOTE: Skip Simpson's Rule on all and *= No calc p. 314=1*,10*,13,17,21,39a,44,48a,51a p. 304= 21,34,52,76,106 | 1/24/20 | 1/27/20 |
| | Practice Test -- AP Practice Problems | 1/27/20 | 1/29/20 |
| | TEST #1 | | 1/29/20 |
| 5.1 | p. 329= 7,8,9,12,25,27,30,37,40,41,42,51, 64,71ab,77,78,83 | 1/31/20 | 2/5/20 |
| 5.2 | p. 338= 3,10,11,20,24,31,35,49,53,61,62, 67,87,91,93 | 2/5/20 | 2/7/20 |
| 5.3 | p. 347= 9,32,33 (careful w/ domain),43,47,63,71,74,76,77d,81(imp diff),101,102 | 2/7/20 | 2/10/20 |
| 5.4 Part I | p. 356= 1,10,19,21,22,33,34b,35,42,45,57,58,65,69,79 | 2/10/20 | 2/12/20 |
| 5.4 Part II | p. 356= 41,48,60,89,93,97,99,104,105,111,116,119 | 2/12/20 | 2/14/20 |
| 5.5 Part I | p. 366 = 9,37,38,49,50,61,62,63,65,67,68,79,80,91 p. 356= 66,91,92 | 2/14/20 | 2/17/20 |
| 5.5 Part II | p. 366= 1,5,15a,22,27,35,41,43,44,48,52,64,66,71,94 (use nDeriv on (c) and (d)) | 2/17/20 | 2/19/20 |
| 5.6 | p. 377= 3,4,6,7,9,17,22,31,41,43,44,49,71,77,78 | 2/19/20 | 2/21/20 |
| 5.7 | p. 385= 3,5,9,12,13,17(split),21,24,29,47,67 | 2/21/20 | 2/24/20 |
| | Practice Test -- AP Practice Problems | 2/24/20 | 2/26/20 |
| | TEST 2 | | 2/28/20 |
| 6.3 | p. 429= 1,3,4,13,16,19,23,45 p. 409= 39,42,47 | 3/9/20 | 3/11/20 |

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|--------------------------------------|---|---------------|-------------------------------------|
| 6.1 | p. 409= 27,28,49,50,53,54,55,61 p. 429= 46,55,58 HW 6.1 Worksheet =1,15-18, 19,20 | 3/11/20 | 3/13/20 |
| 6.2 Part I | p. 418 = 11,12,15,20,25,33,41,43,57,58,62,63 | 3/13/20 | 3/16/20 |
| 6.2 Part II | p. 418= 13,16,17,19,34,42,46,60,71,72 | 3/16/20 | 3/18/20 |
| 7.1 | p. 452= 1,2,6,15,21,23,34,44,65a, 67,72,75,77 | 3/18/20 | 3/20/20 |
| 7.2 Part I | p. 463= 61,62,63ab p. 452= 3,22,29,66a,76,78 | 3/20/20 | 3/23/20 |
| 7.2 Part II Integral as Accum. | p. 452= 73,81,82 p. 316= 93 Worksheet | 3/23/20 | 3/25/20 |
| 7.2 Part III | p. 463= 3,5,7,10,12ab,25,32,33,38,43,47,48,53 | 3/25/20 | 3/27/20 |
| 7.2 Part IV | p. 463= 6,12cd, 13,14,18,21,31,63c | 3/27/20 | 3/30/20 |
| 8.7 | p. 574 = 1,5,7,8,11,14,15,21,26,31,32,33,37,42,43,58,61, 62,75,78,100 | 3/30/20 | 4/1/20 |
| | Practice Test -- AP Practice Problems | 4/1/20 | 4/3/20 |
| | TEST 3 | | 4/6/20 |
| AP Review | Handout #1 | 4/8/20 | 4/15/20 |
| AP Review | Handout #2 | 4/15/20 | 4/17/20 |
| AP Review | Handout #3 | 4/17/20 | 4/20/20 |
| AP Review | Handout #4 | 4/20/20 | 4/22/20 |
| AP Review | Handout #5 | 4/22/20 | 4/24/20 |
| AP Review | Handout #6 | 4/24/20 | 4/27/20 |
| AP Review | Handout #7 | 4/27/20 | 4/29/20 |
| AP Review | Handout #8 | 4/29/20 | 5/1/20 |
| AP Review | Handout #9 | 5/1/20 | 5/4/20 |
| | FINAL EXAM – comprehensive for both semesters | | Week of 5/4 |
| | National Advanced Placement Exam | | 5/5/20 (Tuesday a.m. session) |