

MAT 4134--Advanced Placement Calculus BC 2
ASSIGNMENT SHEET FALL 2025 (for 11th Edition)

SECTION	ASSIGNMENT	DATE ASSIGNED	DATE DUE
6.1 I	p. 411=45,46, 47, 52 p. 429 = 9, 19, 35ab, 36ab Worksheet	8/11/25	8/13/25
6.1 II	p. 411 = 31, 57, 58, 59, 60, 73, 76, 80 (exact & $h=0.2$), 88 Worksheet	8/13/25	8/14/25
6.3	p. 429=49*,50*,52*,55abd,56abd,61 Worksheet *=Use initial pop as a clue	8/14/25	8/15/25
7.2	Worksheet – Integral Appreciation	8/15/25	8/18/25
7.4	p.481=3,5,7,8,15,21,26,29,31,51,52 p.464=73	8/18/25	8/20/25
8.1 Part I	p.520=4,9,14,17,23,29,31,47,61,66,72,97	8/20/25	8/21/25
8.1 Part II	p.520=16,21,23,25,30,33,34,37,48,55,62,67,74,94	8/21/25	8/22/25
8.2	p.529=2,5,6,12,15,18,19,27,30,35,39,43,64,86,87abc	8/22/25	8/25/25
8.3	p.538=1,3,6,7,9,10,11,12,39,59,65,71,77a,78a	8/25/25	8/27/25
8.4	The first few problems give a hint on what substitution to use. I still suggest you draw the triangle and label the sides. p.547=3,6,7,11,14,35,43,46,53	8/27/25	8/28/25
8.5	p.557=1ac,3,6,7,20,23,25,29,40a,41,44,46	8/28/25	8/29/25
	Practice Test -- AP Practice Problems	8/29/25	9/4/25
	Review – AP Classroom	9/3/25	9/4/25
	Test #1		9/4/25
8.8 Part I	p.579=17,20,21,23,26,30,31,63,67ab Many of the integrals in 8.8 will be complicated and will require the use of a u-subst, integration by parts, etc. You should show your work in how to get the antiderivative in each case. You may find it easiest to find the antiderivative first for the indefinite integral and then deal with the limits	9/5/25	9/8/25
8.8 Part II	p.579=13,15,27,33,37,38, (simplify 1 st with log properties), 42,49,65,66,81,82 Many of the integrals in 8.8 will be complicated and will require the use of a u-subst, integration by parts, etc. Show your work in how to get the antiderivative in each case.	9/8/25	9/10/25
8.8 Part III	p.579=22,28,34,53,54, 53*,54*,55*,57*,58*,68ab,69, 84,90 *Show work and/or explain reasoning for your conclusion	9/10/25	9/11/25
9.1	p.596=6, 11-17, 20,30,36,37,45,46,48,77,78,79	9/11/25	9/12/25
9.2 Part I	p.605=1,3,4,5,7,10,11,14,18,59,60,91,92	9/12/25	9/15/25

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9.2 Part II	p.605=8,17,23,24,31,32,49,50,94	9/15/25	9/17/25
9.2 Part III	p.605=19,20,22,29,30,33,35,37,39,52,53,54,61,64,65	9/17/25	9/18/25
9.3	p.613=2,7*,8*,9*,11*,15,21,25,29,35,36,47,49 *=verify hypothesis conditions	9/18/25	9/19/25
9.4	p.620=6,8,9,10,11,21,24,26,32,43,48,53,54,55,56,57,58	9/19/25	9/22/25
9.5 Part I	p.629=5,15,24,26,31,34,35,39,40,71,73,74 p.620=45,46	9/22/25	9/24/25
9.5 Part II	p.629=3,14,21,22,36,41,46,51,54,55,76,77	9/24/25	9/25/25
	Practice Test -- AP Practice Problems	9/25/25	9/26/25
	Review -- AP Classroom	9/26/25	9/29/25
	Test #2		9/29/25
9.6	p.637=19,20,30,33,41,44,46,52,53,60,61,63,83,87	10/1/25	10/2/25
9.7 Part I	p.648=4,5,6,7,8,13,17,21,27,30,35*,39*,63 Worksheet *Check your notes from class... we found the polynomial that you will need for this problem	10/2/25	10/10/25
9.7 Part II	p.648=18,36,43,45*,48, 49@,50@, 51*,52*,53 *For the trig ones, you know their max value will be ≤ 1 @=Sorry...you will have to crank out a 4 th derivative	10/10/25	10/13/25
9.8 Part I	p.658=1,5,8,9,12,14,15,33,39,45,46 p.648=59,60	10/13/25	10/15/25
9.8 Part II	p. 658 = 15,18,21,29,34,38,41,44,57 Worksheet	10/15/25	10/16/25
9.9	p.666=3,5,19,23,24,37,38,39	10/16/25	10/17/25
9.10 Part I	p.677=7,12,17(use ratio test),28,31,36	10/20/25	10/22/25
9.10 Part II	p.677=35,36,42,43,53,59,60	10/22/25	10/23/25
9.10 Part III	p.677=43,44,64,65,71,72,73	10/23/25	10/24/25
	Practice Test -- AP Practice Problems	10/24/25	10/27/25
	Review -- AP Classroom	10/27/25	10/29/25
	Test #3		10/29/25
10.2	p.707=1,5,10,16,23,34,40,51,52,77,78,81 Worksheet (Ships)	10/30/25	10/31/25

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10.3 Part I	p.715=3,5,8,9,12,13,19,23,32,43,46,91,98	10/31/25	11/3/25
10.3 Part II	p.715=16,20,27,30,31,33,36,39,50,53,54	11/3/25	11/5/25
Vectors Supplement Part I	NOTE: The exponents for #29 are $-t$. Worksheet = 3,6,7,8,10,12,15,16,17,21,22,25,26,29*,55 p.715=10,34 *You are being given a position vector. Think PVA and you will know how to find the velocity vector and the acceleration vector.	11/5/25	11/6/25
Vectors Part II	NOTE: The exponents for #36 are t and $-t$. The exponents for #40 are t . Worksheet = 11,35,36ab,37,40,43,44,45,46ab,47,48,49,50,52,54,56	11/6/25	11/7/25
10.4 Part I	p.726=6,7,8,15,17,18,35,40,45,52 For problems involving graphing curves, put calculator in POL Mode. You may need to play with the WINDOW (especially minimum and maximum theta) to see the full curves. You can also experiment with ZStandard.	11/7/25	11/10/25
10.4 Part II	p.726=63,64,69,71,73,113,114	11/10/25	11/12/25
10.5	p.735=3,4,5,6,7*,9*,12*,19,23,24,29,35,37,44 p.726=46,70 * = No calculator...so do the integral by hand with power-reducing formulas. For any other problems, you can use fnInt.	11/12/25	11/13/25
	Practice Test -- AP Practice Problems	11/13/25	11/14/25
	Review -- AP Classroom	11/14/25	11/17/25
	Test #4		11/17/25
AP Review	Handout #1	11/19/25	11/20/25
	AB Calculus Topics Review	11/20/25	11/21/25
AP Review	Handout #2	12/1/25	12/3/25
AP Review	Handout #3	12/3/25	12/4/25
AP Review	Handout #4	12/4/25	12/5/25
AP Review	Handout #5	12/5/25	12/8/25
AP Review	Handout #6	12/8/25	12/10/25
AP Review	Handout #7	12/10/25	12/11/25
AP Review	Handout #8	12/11/25	12/12/25
Final Exam		12/15/25-12/18/25	