

Calculus mini curriculum for AP Physics C

Unit	Cribsheets	Stewart (4 th ed.)	College Board
Limits	1.1 Limit definitions	C p. 82 # 3, 6, 21 HW p. 82 # 15, 20, 23, 25, 31	ABBCCD = course description pp. 47 <i>et seq.</i> HW ABBCCD MC # 1
	1.2 Calculating limits (mainly polynomials)	C p. 91 # 1, 3, 12, 11 HW p. 91 # 2, 4, 10, 13-27 (odd), 31, 51	
Derivatives	2.1 Derivatives (mainly polynomials and chain rule)	C p. 123 # 22 C p. 134 # 4, 8, 13, 19 HW p. 134 # 5, 7, 11, 14-18, 20-24 C p. 144 # 2, 4, 6 HW p. 144 # 1, 3, 5, 7-13, 30 C p. 156 # 2, 8, 12, 18 HW p. 156 # 1 – 39 (odd), 49, 51 C p. 183 # 1, 56 HW p. 183 # 3 – 45 (odd), 55, 57	HW ABBCCD MC # 4, 5, 18c
Integrals	3.1 Definite integrals and area 3.2 RAM 3.2.3 Integration table	C p. 322 # 2, 16 HW p. 322 # 1, 3 C p. 334 # 30, 32, 44 HW p. 334 29, 31-35 (odd), 43, 45	HW ABBCCD MC # 9, 12
Fundamental theorem of calculus	3.3.1 Fundamental theorem of calculus 3.3.2 Fundamental theorem of calculus flashcard 3.3.3 Fundamental theorem of calculus keeping track	C p. 304 # 2, 4, 20 HW p. 304 # 1, 3 – 37 (odd), 39-43 (odd) C p. 344 # 6, 18 HW p. 344 # 5-15 (odd), 17-27 (odd) C p. 352 # 6, 24, 46, 50 HW p. 352 # 5-11 (odd), 15, 17-33 (odd), 39, 41, 45, 47	HW ABBCCD MC # 20c [HW] FRQs Calc AB 2004 Form B # 2 (c)

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		<p>C p. 361 # 2, 14, 16, 32, 34 HW p. 361 # 3, 7-15 (odd), 29, 31, 33, 37, 43</p>	
Special functions	2.2.1 Derivatives of circle functions intuitive	<p>C p. 175 # 2, 4, 12 HW p. 175 # 1 – 19 (odd)</p> <p>C p. 345 # 32 HW p. 345 # 29-33 (odd), 44</p> <p>C p. 353 # 14, 16 HW p. 353 # 13, 35, 37</p> <p>HW p. 361 # 1, 17-27 (odd), 41</p>	
	4.1 Derivatives inverse functions 4.2 Exponentials and logarithms	<p>C p. 414 # 36 (parts b, c, and d only), 44 HW p. 414 # 35 and 37 (parts b, c, and d only), 39, 41, 43</p> <p>C p. 426 # 30, 36, 52, 74 HW p. 426 # 23, 29, 35, 37, 41, 43, 45, 51, 55, 71, 73, 76</p> <p>C p. 443 # 6, 8, 40 HW p. 443 # 3, 11, 15, 24, 39, 47, 65, 69, 73, 75</p>	<p>HW ABBCCD MC # 15 HW ABBCCD MC # 3, 10, 11</p>