

AP Calculus AB Assignment Sheet – Fall, 2018

The sections referenced below are from Stewart's *Calculus: Early Transcendentals* (7th ed.) and are the “bare minimum” that should be completed after each lesson, but you are encouraged to attempt more if needed. Note: Supp = supplemental worksheet handed out in class

Unit 1: Limits, Continuity, and Rates of Change

- 1 **2.2:** 4 – 9, 11, 16, 18, 21
 - 2 **2.3:** 1, 2, 5, 9 – 17 odd, 21 – 27 odd, 28, 32
 - 3 **2.3:** 37 – 49
 - 4 **2.2:** 3, 30 – 34, 46; **2.6:** 1, 4, 7, 9
 - 5 **2.6:** 16, 18, 21, 24, 29, 31, 32, 36, 38, 45, 57; **Supp 1.5**
 - 6 **2.5:** 3, 18 – 23, 39, 40, 43, 45, 46
 - 7 **2.5:** 49 – 52; **Supp 1.7**
 - 8 **2.7:** 42, 43(a, b) 49 – 51; **2.8:** 1, 35; **Supp 1.8**
 - 9 **2.7:** 17; **2.8:** 3, 4, 10, 11, 37 – 40; **Supp 1.9**
 - 10 **2.7:** 5, 7, 18 – 20, 30, 34, 36, 37; **2.8:** 27, 34(a)
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Unit 2: Differentiation

- 1 **3.1:** 4, 5, 6, 10, 11, 13, 14, 16, 18, 19, 23, 26, 29, 34, 35, 49, 52, 54, 65, 66, 71, 73, 74
 - 2 **3.2:** 3, 4, 7, 9, 11, 15, 17, 22, 27, 32, 41, 44, 47, 50
 - 3 **3.3:** 2, 4, 5, 8, 12, 21, 22, 29, 32, 33, 49; **Supp 2.3**
 - 4 **3.4:** 7 – 15, 17 – 21
 - 5 **3.4:** 16, 22 – 25, 29, 32, 33, 47, 63, 65; **3.9:** 7 – 10; **Supp 2.5**
 - 6 **3.5:** 6, 7, 8, 11 – 14, 25, 28, 35, 38, 39
 - 7 **3.5:** 34(a, b), 75, 76; **Supp 2.7**
 - 8 **3.5:** 49 – 51, 57, 77(b), 78(b, c); **Supp 2.8**
 - 9 **3.6:** 2, 3, 5, 7, 8, 14, 34, 39, 41, 43, 44, 46
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Unit 3: The Shape of a Curve

- 1 **4.2:** 2, 3, 5, 9 – 16; **4.3:** 1(a, b), 2(a, b), 5, 6
 - 2 **4.3:** Parts (a) and (b) for: 9, 11, 12, 14, 15, 16
 - 3 **4.3:** 1(c – e), 2(c – e), 7, 8, Part (c) for: (9, 11, 12, 14, 15, 16), 19, 22
 - 4 **4.4:** 1 – 3, 5, 10, 13 – 19 odd, 25, 30, 32, 38, 41, 42, 44, 45
 - 5 **4.4:** 49 – 53, 56, 57, 58, 59, 65, 71, 72
 - 6 **4.3:** 31, 40, 46, 48; **4.5:** 5, 11, 17; **Midterm Review**
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Unit 4: Further Applications of Differentiation

- 1 **3.7:** 1, 5, 6, 7, 13, 20; **Supp 4.1**
 - 2 **3.9:** 3, 5, 12, 15, 21, 23, 27, 31
 - 3 **3.9:** 13, 16, 18, 28, 38, 39, 43
 - 4 **3.10:** 4, 5, 24, 25, 27, 28, 34, 35; **Supp 4.4**
 - 5 **4.1:** 5, 47, 50, 54, 56, 57, 59, 71
 - 6 **4.7:** 3, 7, 11 (ignore parts a-f and just answer the question), 13, 20, 21
 - 7 **4.7:** 14 – 16, 23, 24, 35, 37
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Unit 5: Integration

- 1 **5.1:** 4, 13 (compute L_3 , R_3 , and M_3), 15; **7.7:** 1, 29(a), 31((a) – compute M_4 and T_4)
 - 2 **5.2:** 3, 8, 18, 22, 34, 36, 37, 40, 48 – 51, 59, 63
 - 3 **5.4:** 6, 7, 9, 11, 12, 14 – 18
 - 4 **5.3:** 21 – 35 odd, 43, 44; **5.4:** 34, 39, 44 – 46
 - 5 **5.3:** 2 – 4, 8, 12, 13, 16, 18, 57, 59 – 63, 67, 76
 - 6 **5.4:** 51, 53, 54, 59 – 64, 65 (use $n = 5$); **Supp 5.6**
 - 7 **5.5:** 7, 8, 9, 11, 12, 15, 16, 18, 22 – 25, 27 – 29
 - 8 **5.5:** 32, 34, 41, 47, 48, 53, 55, 57, 59, 60, 64
 - 9 **5.5:** 13, 17, 19, 20, 38, 44, 45, 56, 63, 68, 69, 70; **Supp 5.9**
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Unit 6: Applications of Integration & Differential Equations

- 1 **6.5:** 1 – 3, 5, 9, 10, 14, 15, 17
 - 2 **6.1:** 5, 8, 9, 11, 12, 17, 22, 23, 27, 50 – 53
 - 3 **6.2:** 44, 54, 55, 58, 59; **Supp 6.3**
 - 4 **6.2:** 1, 3, 6 – 10
 - 5 **6.2:** 11, 12, 14, 15, 17, 23 – 26, 29, 30, 31; **Supp 6.5**
 - 6 **9.1:** 1, 2, 5; **9.2:** 3 – 6; **Supp 6.6**
 - 7 **9.3:** 1 – 5, 9 – 13, 16, 19, 23
 - 8 **3.8:** 2 – 5, 8 – 10, 13 – 16, 20; **Supp 6.8**
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