

Math 5A – Homework Schedule for Stewart's *Calculus: Early Transcendentals, 6th Edition*

Section	Lecture Date	Due Date	Homework Problems
1.1 ⁺			1, 5, 6, 11, 23, 24, 25, 26, 27, 33, 35, 37, 43, 51, 53, 57
1.2 ⁺			12, 15, 16
1.3 ⁺			1, 9, 10, 11, 12, 13, 16, 17, 21, 23, 24 (read example 5) 31, 35, 41, 45, 51
1.6 ⁺			1, 3, 4, 5 – 13 odd, 15, 21, 22
Appendix D ⁺			17 – 28, 45, 47, 65 – 71 odd, 68, 70, 72
2.1			3 (Read example 1 in book), 5
2.2			1,4,5,7,9,11 (GC), 13, 14, 15,16, 17, 21, 25, 27, 29, 40
2.3			10, 11 – 29 odd, 32 (GC), 39, 46, 47
2.5			2,3,5,7,15 – 19 odd, 31, 37, 39, 41, (45,47,49,51 if IVT is covered)
2.6			3 – 9 odd, 15 – 31 odd, 24, 26, 32, 39 – 43 odd, 55, 58
2.7			1, 5 – 9 odd, 13, 14, 15, 17, 21, 25 – 29 odd, 40, 41ab, 44
2.8			1, 3, 4, 5 – 11 odd, 14, 15, 16, 19 – 29 odd, 35, 45 (ignore graphing calc instruction)
3.1			3 - 15 odd, 19 – 29 odd, 33, 45, 49, 60a, 17, 52
3.2			1 – 31 odd, 31a
3.3			1 – 23 odd, 25a, 33, 35, 37
3.4			7 – 11 odd, 17, 18, 19, 20, 21, 25, 27, 43, 51, 13, 15, 23, 29, 31 – 41 odd, 49, 53, 59, 60
3.5 (part 1)			1 – 19 odd, 23 – 29 odd, 32ab, 44
3.5 (part 2)			33, 35, 45 – 53 odd
3.6			1 – 25 odd, 33, 37 – 47 odd
3.7			1, 5, 9, 11, 13, 21ab, 23 (read example 6)
3.9 (part 1)			1, 5, 11, 13, 15
3.9 (part 2)			27, 23, 25, 37, 39, 41 (hint, use law of cosines)
3.10 (part 1)			1, 3, 23, 25
3.10 (part 2)			11 – 21 odd, 23 – 27 odd (use differentials), 33, 35b (find % error too), 36 (hint, you are looking to estimate the change in <i>volume</i> not surface area.)
3.11 (part 1)			1, 3, 5a, 8, 11, 15, 24ab, 31 – 41 odd. Read (don't do) problem 48
3.11 (part 2)			5b, 29a, 43 – 45 odd
4.1			3 – 15 odd, 19, 23, 29 – 43 odd, 47, 49, 53 – 59 odd, 73a
4.2			1 – 7 odd, 11 – 15 odd, 25 (see example 5) Include problem #'s 1, 3, and 5 only if Rolle's Theorem covered.
4.3 (part 1)			5, 6, 9 – 17 odd (parts a and b), 31 – 41 odd (parts a, b, and d), 45 (parts e, a, b, and c), 46 (parts e, a, b, and c)
4.3 (part 2)			1, 3, 7, 9c – 17c odd, 19 – 29 odd, for 33 – 41 odd and 45 and 46 add concavity to your previously drawn graphs from part 1.
4.4 (part 1)			1 – 11 odd, 15 – 21 odd, 25, 29 – 35 odd, 39, 43, 47, 49, 69
4.4 (part 2)			53 – 63 odd
4.5			1 – 27 odd, 41, 45, 49
4.7			3, 5, 7, 9, 14, 17, 19, 21, 31, 33, 43, 45
4.8			1, 3, 4, 5, 7, 11 (Not covered spring)
4.9			1 – 19 odd, 23 – 45 eoo, 57 – 63 odd
Appendix E			1, 5, 9, 21, 29, 31, 33
5.1			1a, 3, 5, 11, 15, 17 (use \sum -notation with $x_i = a + i\Delta x$)
5.2			1,5,9,17, 21 – 25 all, 27 (a geometric proof is easier), 33, 35 – 39 odd, 41, 43, 47, 49
5.3 (part 1)			3, 7 – 17 odd
5.3 (part 2)			5, 19 – 41 odd
5.4			1, 5 – 17 odd, 21 – 37 eoo, 39 – 43 odd, 44, 47, 49, 51, 57, 59
5.5			1 – 45 odd, 51 – 69 odd, 73