

Math 5C – HW Schedule for Stewart’s *Calculus: Early Transcendentals*. 7th Edition

Section Number	Problems
12.1	1, 3, 4, 5, 6, 11, 13, 15, 17, 21 – 33 odd, 37
12.2	4, 5, 7, 9, 13 – 25 odd, 26, 27 – 31 odd, 35
12.3	1 – 15 odd, 19 – 23 odd, 27, 29, 31, 41, 43, 49, 51, 55, 59
12.4	3, 7, 9, 14, 15, 16, 19, 20, 23 – 29 odd, 33, 37 – 43 odd, 45a
12.5.1	3, 7, 10, 11 – 21 odd
12.5.2	23, 25, 27, 31 – 45 odd, 49 – 59 odd, 65, 69, 71, 73
12.6.1	1, 3, 5, 8
12.6.2	11, 13, 17, 19 (sketch optional), 21 – 28 all, 29
13.1	1 – 11 odd, 15 – 21 odd, 22, 25, 27, 28, 39, 40, 41 (hint: Set z 's equal and simplify. Then let $x = t$.), 47 (also state for what value of t the objects will intersect, if they do intersect.)
13.2.1	3 – 13 odd, 17, 21 – 25 odd, 44
13.2.2	35 – 41 odd
13.3.1	1, 3, 11, 15
13.3.2	17 – 23 odd, 27, 31, 33, 42, 43, 47, 49
13.4.1	3 – 15 odd, 17a, 19
13.4.2	23, 24, 25, 27. If tangential and normal components of acceleration are covered, then also do 37, 39.
14.1	1, 5 – 31 odd, 35, 36, 37, 43 – 47 odd. #'s 55, 56 optional if you have or want to explore 3-D graphing technology.
14.2	1, 5 – 11 odd, 15 – 19 odd, 25, 29, 31, 33, 37 (read example 7 in book), 41 (recall from polar coordinates that $r^2 = x^2 + y^2$)
14.3	1, 3, 5, 6, 7, 10, 15 – 35 odd, 41, 43, 47 – 53 odd, 61 – 67 odd, 75, 82
14.4	1, 3, 5, 11, 15, 19, 21, 25 – 35 odd
14.5	1 – 13 odd, 17 – 23 odd, 27 – 35 odd, 39, 41, 45
14.6.1	1, 4, 5 – 27 odd, 31a, 33, 34
14.6.2	41, 43, 45, 49, 56
14.7.1	1 – 17 odd, 41, 43, 51
14.7.2	29, 33, 35
14.8	1 – 13 odd, 31. Only if more than one constraint covered in class do #'s 15, 17.
15.1	1, 3, 5a, 8, 9, 11, 13, 14
15.2	1 – 21 odd, 27, 31, 35
15.3	1 – 27 odd, 31, 35, 37, 43 – 53 odd
15.4	1 – 4 all, 5 – 31 odd
15.5	1 – 7 odd, 11, 13
15.6	1 – 11 odd
15.7.1	1, 3, 5, 9, 13 – 21 odd, 23a, 39
15.7.2	27, 29, (31 optional but recommended), 33, 35
15.8	1 – 23 odd, 25a, 29
15.9	1 – 19 odd, 20, 21 – 27 odd, 30, 39
15.10.1	1, 3, 7, 9
15.10.2	11 – 15 odd, 19, 23, 25
16.1	1, 3, 5, 9, 11 – 18 all, 21 – 25 odd

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16.2.1	1 – 7 odd, 33, 48
16.2.2	11 – 21 odd, 39, 41, 45 – 47 all
16.3	1 – 15 odd, 19, 21, 22, 23, 25, 31, 33
16.4	1 – 13 odd, 17, 19
16.5.1	1a, 3a, 7a, 13 – 17 odd, 21
16.5.2	1b, 3b, 7b, 12, 19
16.6.1	1, 3, 4, 19 – 25 odd. (But look at those cool parametric surfaces in 3 – 6)
16.6.2	33, 39, 41, 45
16.7.1	3, 5, 9, 11, 13, 17, 19, 40
16.7.2	21, 23, 27, 29, 43
16.8	1 – 9 odd, 13, 17
16.9	1 – 13 odd, 19