

Homework problems are to be done to develop understanding/mastery of concepts and computational speed/efficiency. Work them strategically and intentionally.

- 11.1 # 1, 2, 3, 7, 23, 27, 33, 37, 47, 51, 60, 75, 78, 81, 83, 99 Proofs: # 95
- 11.2 # 2, 3, 5, 26, 29, 35, 38, 45, 61, 81, 97, 98, 101 (see Ex 7)
- 11.3 # 7, 15, 17, 19, 25, 39, 41, 45, 46, 47, 48, 53, 61 Proofs: # 63, 64, 72
- 11.4 # 1, 9, 11, 17, 21, 27 (see Ex 4), 35, 39, 40, 42 Proofs: # 45 - 54
- 11.5 # 2, 4, 12, 13, 19, 21, 25, 29, 33, 37, 41, 43, 47, 51, 53, 61, 67, 71, 81, 89, 93, 97, 103, 105-107 ... Proofs: # 113, 117
- 11.6 # 1, 5 - 10, 15, 17 - 19, 21, 23, 27, 47 Proofs: # 50
- 11.7 # 1, 7, 11, 17, 23, 25, 29, 33, 37, 43, 47, 49, 51, 53, 57, 61, 67, 71 -77, 79, 81, 83, 85, 87, 89, 91, 93
(proficiency with this section is very important for Ch 14) Proofs: # 103, 104
- 12.1 # 1, 2, 11, 15, 17, 25, 27, 31, 33, 34, 36, 37, 49, 51, 55, 59, 61, 65, 67, 73, 87 Proofs: # 83-85
- 12.2 # 13-17, 31, 35, 38, 43, 45, 49, 52 Proofs: # 61-68, 75, 76
- 12.3 # 27-30, 33a, 33c, 35, 36, 47, 48a, 49, 50, 52 Proofs: # 59, 62
- 12.3-5 For each of the following problems find, graph, and interpret **all** the elements of the moving basis at the right endpoint of the range given see section 12.5 # 11 - 13
- 13.1 # 3, 33, 34, 47-50 Proofs: # 91, 94
- 13.2 # 13, 15, 17, 21, 45, 53, 57, 77 Proofs: # 81
- 13.3 # 2, 13, 19, 23, 27, 29, 35, 40, 53, 55, 61, 71, 73, 75, 79, 84, 93, 99, 107, 114, 122
- 13.4 # 2, 9, 11, 13, 15, 17, 21, 22, 29, 30, 35, 39
- 13.5 # 1, 7, 9, 19, 21, 23, 25, 29, 33, 34, 35, 37, 48, 51, Proofs: # 45
- 13.6 # 1, 2, 3, 7, 11, 13, 15, 19, 24, 27, 29, 33, 37, 39, 41, 47, 48, 51, 56 Proofs: # 61, 62, 67
- 13.7 # 1, 2, 13, 15, 19, 23, 25, 26, 39, 43, 45, 47, 49, 51, 61 Proofs: # 57, 60
- 13.8 # 1, 5, 7, 9, 11, 13, 15, 21, 23, 25, 27, 31, 33, 37, 43, 50, 52, 57
- 13.9 # 1, 5, 9, 10, 11, 15, 17, 19, 21, 25, 29
- 13.10 # 1, 2, 5, 9, 14, 15, 17, 29, 35, 37, 40
- 14.1 # 2, 11, 15, 21, 27, 29, 33, 35, 38, 39, 41, 43, 45, 47, 55, 57, 61, 69, 77 (sketch the region for all, do some by hand)
- 14.2 # 7, 10, 11, 15, 17, 19, 21, 23, 25, 29, 31, 33, 35, 37, 39, 45, 50, 57, 59, 61, 64, 68 (I grew up here... the snow is real)
- 14.3 # 3, 4, 9, 13, 15, 16, 17, 19, 23, 27, 29, 31, 36, 37, 41, 43, 45, 49, 51, 53, 56, 57, 63, 67
- 14.4 # 4, 15, 20, 22, 25, 28, 30, 34, 35, 37, 48
- 14.5 # 1, 3, 5, 13, 15, 17, 20, 23, 26, 27, 30, 32, 33, 37, 38
- 14.6 # 5, 9, 17, 19, 21, 23 - 29, 35, 38, 39, 61, 65
- 14.7 # 5, 6, 11 - 13, 16 - 19, 21, 23, 25, 26, 28, 31, 33, 34 - 36, 41 - 44
- 14.8 # 2, 3, 5, 11, 13, 17, 19 - 21, 27, 30, 32, 33, 35, 37, 39, 40
- 15.1 # 2-8, 11, 13, 21, 25, 27, 29, 31, 33, 35, 39, 43, 45, 49, 51, 53, 55, 59 - 61, 65 - 68 # 77 for EC
- 15.2 # 1 - 4, 6 - 8, 10, 12, 15, 19, 21, 23, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 51, 59, 61, 79, 84, 87
- 15.3 # 1 - 3, 11, 13, 17, 21, 25, 26, 29, 31, 35, 38, 39, 41 - 43, 49
- 15.4 # 4, 6, 8, 9, 11, 13, 15, 19, 23, 27, 31, 39, 43 - 45
- 15.5 # 3, 5, 7, 33, 37, 41
- 15.6 # 9, 15, 23, 25, 31, 35, 42
- 15.7 # 2, 7, 11, 15, 17, 19, 21, 24, 26
review Khan Academy Divergence article on course page
- 15.8 # 2, 3, 5, 9, 11, 13, 15, 17
review Khan Academy Curl article on course page