

HOMEWORK PROBLEMS

You should work these problems, as assigned, on a daily basis. Due dates for the homework from each section will be announced in class. Do look at other problems from each section, not just those on this list, and work on problems that you find interesting or that you think will give you a better understanding of a particular concept.

All of these problems are from the “Exercises” group at the end of each section. Most sections in your text also include a group called “Using the Language and Symbolism of Mathematics” and one called “Quick Review”, both of which can be very helpful and are well worth working on before you begin the homework problems.

§3.3 # 8, 14, 19, 21, 25, 27, 29, 31, 39, 43, 59, 61, 63, 65, 70, 81, 82, 83, 84

§3.4 # 7, 9, 15, 17, 29, 31, 33, 39, 57, 59

§3.5 # 5, 9, 13, 19, 21, 27, 29, 37, 39, 62

§3.6 # 11, 19, 27, 29, 31, 33, 37, 41, 53, 55b, 55c, 56, 57a

§7.1 # 4, 5, 8, 9, 11, 15, 16, 18, 19, 21, 23, 25, 28, 30, 55-58, 61, 63, 65, 67, 69, 70, 72, 73

§7.2 # 3, 5-8, 9, 10, 13, 15, 17, 21, 22, 23-26, 32, 33, 35, 37, 39, 41, 43, 45, 49, 51, 53, 61, 63, 64

§7.3 # 1-4, 19, 21, 25, 26, 29, 31-34, 39, 59, 63, 67, 69, 73, 74, 75, 76b, 76d

§7.4 # 15, 19, 23, 27, 33, 35, 37-39, 61, 65, 75

§7.5 # 1, 5, 7, 9, 11, 13, 15, 21, 23, 25, 29, 31, 33, 39, 41, 42, 49

§7.6 # 5, 15, 18, 21, 23, 29, 45, 51

§7.7 # 11-35 odd, 43, 47-50, 62, 63, 69, 71, 73, 75, 79, 81, 88, 89, 90

§8.1 # 1, 3, 5-8, 9-12, 14, 17, 19-22, 23-26, 27, 33, 35, 39, 45, 47, 57, 67, 69, 73, 77, 83, 90, 91, 92

§8.2 # 9, 13, 15, 17, 21, 23, 29, 37, 43, 68

§8.3 # 5, 9, 13, 19, 23, 29, 33, 35, 37, 39, 51, 53, 63, 67

§8.4 # 1, 7, 11, 13, 15, 21, 27, 33, 49, 51, 55, 59

§8.5 # 7, 11, 15, 19, 25, 27, 31, 37, 39, 53, 57, 63

§8.6 # 5-12, 30, 31, 32, 36, 37, 63, 67, 73

§9.1 # 5-19odd, 27, 29, 41-48, 49-56, 59, 61, 63, 64, 66

§9.2 # 3, 15, 19, 21, 23, 25, 27, 31, 35, 41, 45, 49, 59-62, 73, 74

§9.3 # 3, 11, 17, 21, 23, 27, 31, 35, 37, 49, 51, 53, 61, 63, 67, 73, 75, 88

§9.4 # 9, 15, 19, 21, 27, 29, 43, 45, 55, 79, 83, 85

§9.5 # 7, 9, 19, 21, 29, 39, 45, 49, 53, 55, 61, 67, 78, 79

We may also cover §11.3 if time permits.