

Homework DM II

Section 9.1: 3-9, 13, 16

Section 9.2: 1-5, 7-10, 18, 20 (except *f*), 20-25, 26 (not *d*), 28, 29 (not *e*), 30, 31 (not *e*), 32-35, 37, 47 (not *d*), 48, 49, 53*a*, 53*b*, 54-56

Section 9.3: 1, 3, 5, 7, 9 (not *f*), 10, 11, 13, 15, 19, 21, 23, 25, 28, 29, 32 (not *e*), 34-42, 46, 50-55

Section 9.4: 1-6, 10-12, 18, 19, 21, 29-33, 37

Section 9.5: 1-10, 26 (not *d*), 27, 28, 30-40, 44, 45, 56-63

Read Chapters One, Two and Three in Across the Board

From the DM I and II webpage do

[Some initial domination problems to get you started](#)

[A second round of domination problems](#)

Read Chapters Seven and Eight in Across the Board

Section 9.7: 1-9, 12-14, 19-25

Section 9.8: 1-13, 15, 17-19, 21, 22

Find a graph G such that $\chi(G) = 4$ but G contains no triangles.

Chromatic Polynomials Handout: 1-8, 11, 12-15

Supplementary Exercises: 1-4, 6,7,9-17, 22, 23, 46, 50 *a-f*

Section 10.1: 1-6, 9, 11, 12, 16-20, 24