MATH 574 — Summer 2007

Homework — The first approximation

These problems come from the text book "Discrete Mathematics and its applications" by Kenneth Rosen, **SIXTH** edition.

section 1.1, page 18	23 (skip inverse), 24 (skip inverse), 27 abef.
section 1.2, page 28	5, 14, 31.
section 1.3, page 47	16, 36, 52.
section 1.4, page 61	27, 28, 40, 46.
section 2.1, page 119	1, 3, 7, 8, 15, 22, 23, 38.
section 2.2, page 130	4, 23, 29, 45.
section 2.3, page 147	16, 30, 31.
section 4.1, page 280	6, 7, 11, 18, 20, 36, 45, 46, 61.
section 4.3, page 308	1d, 3a, 9, 10, 12, 18, 19, 26 a and (b or c), 48.
section 5.1, page 344	1, 3, 7, 19, 21, 23, 33, 41.
section 5.2, page 353	4, 8, 10, 12, 15, 19, 20, 21 (the integers should be distinct), 22, 24, 25.
section 5.3, page 360	1, 3, 4b, 9, 11, 13, 19, 21, 25, 27, 30.
section 5.4, page 369	3, 7, 20, 21, 24, 27, 28, 30, 33, 37, 38.
section 5.5, page 379	5, 9, 15, 27, 31, 35, 37, 39, 40, 45, 62, 63, 65.
section 7.1, page 456	1c, 9cf, 13, 23ab, 25ab, 27ab, 35ab, 37, 43ab, 45.
section 7.2, page 471	3acd, 5, 7, 23, 24, 28, 29, 45
section 7.4, page 497	32, 34, 36, 38, 39.