Homework 8

Section 4.1

See pp.308-309 for 4, 5, 6.

Section 4.2

See p. 309 for 1, 2, 3, 5, 6, 7.

Write permutations π_1, π_2, and π_4 in ex. 1 of section 4.1 as products of disjoint cycles.

$\pi_1 = (1\ 3)(4\ 6)(7\ 9)$

$\pi_2 = (1\ 9)(2\ 8)(3\ 7)(4\ 6)$

$\pi_4 = (1\ 9\ 8\ 7\ 6\ 5\ 4\ 3\ 2)(10\ 11\ 12)$