

## Math 213 - Homework 12

Assigned: 11/7/07

Due: 11/14/07 at the start of class.

Notation: Exercise a.b.c(d) stands for part (d) of Exercise c from Section a.b.

Problems:

- (1) 9.1.12.
- (2) 9.1.26.
- (3) 9.2.16.
- (4) 9.2.20(c).
- (5) Suppose that a graph has 50 vertices, each of degree 5. How many edges does it have?
- (6) Suppose that  $n \geq 1$ . How many edges are there in  $Q_n$ ?
- (7) 9.3.4.
- (8) 9.3.10.
- (9) 9.3.36.
- (10) 9.3.40.