College of Computer & Information Science Northeastern University CSU690: Algorithms and Data Fall 2006 Handout 3 15 September 2006

## Review 1 (Tuesday, September 19)

- 1. Exercise 5, page 24.
- **2.** A tromino is an L-shaped tile formed by three adjacent squares of a chessboard. Prove by induction on  $n \ge 1$  that any  $2^n \times 2^n$  chessboard with one square missing can be completely covered by trominoes, regardless of the location of the missing square.
- 3. Exercise 8 part (a), page 69.