CMSC 441 Section 0201 Spring 2008 Homework 10

Reading Assignment:

- 1) Listen to Symphony No. 1 by Brahms.
- 2) Read Chapters 9-13 and Chapter 30 of the text.
- 3) Study ahead by reading Chapter 34 of the text.

Homework:

- 1) (15%) Exercise 9.2-4, page 189
- 2) (15%) Exercise 11.2-2, page 229
- 3) (15%) Exercise 11.3-4, page 236
- 4) (15%) Exercise 12.1-1, page 256
- 5) (15%) Exercise 12.2-1, page 259
- 6) (25%) Compute the 4 point DFT of

$A(x) = 1 + 2x + 3x^2 + 4x^3$

Be sure to clearly and neatly show how you obtained your answer.



DFT(*x*) = _____