

**Math 1010 August 30, 2006 Homework 2**

Textbook: 1.2 # 37,45,47,63\* 1.3 # 1,11,21,45,51,55,61,65,71,73,85\*

Simplify the following:

1)  $(3x^3y^4)4xy^3$

Multiply the following:

2)  $(2x + 1)(3x - 7)$

3)  $(x + 4y)^2$

4)  $(3x - 7y^2)^2$

5)  $(2x + 5)(4x^2 - 3x + 7)$

Evaluate the following for  $A = 6$ ,  $B = 3$ ,  $C = -1$

6)  $(A - C)^3$

7)  $(A + B)(B + C)(C + A)$