

MTH 65 – Graded Homework 5

Due: 2:30 pm, January 26, 2011

Name _____

You may work on this assignment with your classmates or anybody else you please. You may get help from a tutor or even the instructor. What you may not do is simply copy somebody else's work – that completely obviates the purpose of the assignment. If you forget to complete the assignment before it is due, do not simply copy someone else's paper and turn that in ... that is not "working together," that is taking credit for somebody else's work.

Problem 1

Find and simplify $(2x^2 + 3x - 9) - (-4x + 7)$. **Make sure that you show steps using proper organizational strategies.**

Problem 2

State the terms of the polynomial $4x^2y^3 - 7x + 12$. For each term, also state its degree and its coefficient.

Term	Degree	Coefficient

Problem 3

Find and simplify each of the following products. **Make sure that you show steps using proper organizational strategies.**

a. Find the product of $2x + 1$ and $x^2 - 4x + 3$.

b. Simplify $-3x^4(2x^3 - x + 6)$