

**Math 80 Quiz #7**  
**February 23, 2010**

Name: \_\_\_\_\_

Show all work on a separate sheet. Put a box around your final answer. No calculators are permitted.

1. Carry out the following operations.

(a) (2 pts.)  $(7x^3 - 2x^2 + 5) - (3x^3 - x^2 - 10)$

(c) (2 pts.)  $(5t + \frac{1}{3})(6t - 3)$

(b) (2 pts.)  $4a^3(3a^2 - ab + 11b^2)$

(d) (2 pts.)  $(5m - 6)^2$

2. Find the GCF of the following groups of numbers:

(a) (1 pts.) 30 and 75

(b) (1 pt.) 3, 6, and 14