

Math 80 Quiz #6
February 18, 2009

Name: _____

Show all work and simplify your answers as much as possible.

1. (3 pts.) At a store, brownies cost \$3 each and cookies cost \$2 each. If you sold 90 pastries total and made \$220 in one day, how many brownies and cookies did you sell? (Use equations to solve and write your answer in a complete sentence.)

2. (2 pts.) Evaluate $4x^3 - x + 3$ for $x = -2$.

3. Add or Subtract:

(a) (1 pts.) $(7x^2 + 2x - 8) + (-2x^2 - 1)$

(b) (2 pts.) $(3y^3 - y + 5) - (y^3 + 2y - 4)$

4. Multiply:

(a) (1 pts.) $(0.6t^2)(4t)$

(b) (1 pts.) $(9x)\left(\frac{1}{3}x\right)$