

Math 70 Quiz #10
December 2, 2008

Name: _____

Show all work.

1. Write the following numbers in decimal form.

(a) (1 pts.) $9.4 \times 10^{-4} =$

(b) (1 pts.) $7 \times 10^5 =$

2. Write the following numbers in scientific notation.

(a) (1 pts.) 83,900,000 =

(b) (1 pts.) 0.00005124 =

3. (1 pts.) State the degree of the polynomial $2x^3y + 6x^3y^3$ and state whether it is a monomial, binomial, or a trinomial.

4. Perform the indicated operations.

(a) (1 pts.) $(4x^2 - x - 2) + (2x^2 + 5x - 6)$

(b) (2 pts.) $(\frac{1}{2}x^3 + x) + (\frac{2}{3}x^3 - x)$

(c) (2 pts.) $(3xy - 7x + 2y) - (xy - 5x - y)$