

Math 70 Quiz #10
December 1, 2009

Name: _____

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

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

2. Perform the indicated operations and simplify as much as possible.

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

(d) (2 pts.) $2x^4(3x + 9x^2 - \frac{1}{2}y)$

(e) (2 pts.) $(x - 5)(x + 6)$