

Math 1010 - Quiz 2

University of Utah

Fall 2009

Name: _____

1. Simplify the following expressions:

(a) (2 points)

$$-3z^4 + 6z - z + 8 + z^4 - 4z^2$$

(b) (3 points)

$$-5t(7 - 2t)$$

(c) (4 points)

$$2[3(b - 5) - (b^2 + b + 3)]$$

2. (3 points) Evaluate the algebraic expression:

$$x^2 - xy + y^2$$

at the values $x = -3, y = -2$.

3. (3 points) Solve the linear equation:

$$6(x + 2) = 30.$$

That is to say, find the value of x that satisfies the above equation.