

Math 70 Quiz #4
October 21, 2008

Name: _____

Show all work. No calculators are permitted on this quiz.

1. (4 pts.) Simplify the following as much as possible:

(a) (1 pt.) $-10(-0.6)$

(b) (1 pt.) $(-\frac{1}{2})^3$

(c) (2 pt.) $-2(5 - 1)^2 + 7(3)$

2. (4 pts.) Simplify the following algebraic expressions using distribution or by combining like terms.

(a) (1 pts.) $-5(2 + 3y)$

(b) (2 pts.) $2x(x - 10) - 4x$

(c) (1 pts.) $7a + 3b - 1.6a + b$

3. (2 pts.) The highest point in the continental U.S. is on Mount Whitney in California at 4,421 meters. The lowest point is in Death Valley, California at an elevation of -86 meters (below sea level).

What is the difference in elevation between Mount Whitney and Death Valley?