

Math 70 Quiz #4
October 19, 2010

Name: _____

Show all work and answers on a separate paper. Staple this sheet to your answers. Simplify your answers as much as possible. No calculators are permitted on this quiz.

1. Evaluate the following:

(a) (1 pt.) $7 - (-13)$

(d) (2 pts.) $-\frac{8}{9} \div (-6)$

(b) (1 pt.) $-1.5 - 8$

(e) (2 pt.) $(-\frac{1}{2})^4$

(c) (1 pt.) $100(-0.6)$

(f) (3 pts.) $-2(5 - 1)^2 + 7(3)$

2. Simplify the following algebraic expressions by combining like terms.

(a) (1 pt.) $2x^2 - 20x + 4x$

(b) (2 pts.) $7a + 3b - 1.6a + b$

3. (2 pts.) The highest point in the continental U.S. is on Mount Whitney in California at 4421 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?