

Math 70 Quiz #4
October 20, 2009

Name: _____

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

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

(a) (1 pt.) $-13 - (-10)$

(c) (1 pt.) $(-10)^3$

(b) (1 pt.) $-12(-\frac{2}{3})$

(d) (2 pts.) $3(4 - 6)^2 - \frac{16}{2}$

2. Simplify the following algebraic expressions using distribution.

(a) (1 pts.) $-0.3(3 - 2a)$

(b) (2 pts.) $4x(\frac{1}{4}y + x)$

3. (2 pts.) The highest point in the world is on Mount Everest, which is at 8,850 meters. The lowest point on land is on the shore of the Dead Sea, which is at an elevation of -417 meters (below sea level).

What is the **difference** in elevation between these two places?