Name:

Constructed Response – Group 1 – 9/2/14

Find a word problem below. In order to receive full credit for this assignment, **you must not only show your math work, but you must explain in writing how you solved the problem.**

The foot of a mountain is at sea level. On a particular afternoon, the temperatures at the foot and at the summit of the mountain are 10˚C and -6˚C respectively.

1. Calculate the drop in temperature from the foot to the summit of the mountain.
2. Suppose that the temperature drops 6.4˚C for every 1,000 m above sea level. How high, in km, is the mountain above sea level?