Name:

Constructed Response – Group 1 – 11/10/14

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.**

A piece of cucumber is *x*  cm long. Mrs. Taylor removes *y* cm of it from each end. The remaining piece is chopped into *n* small pieces of equal thickness along the length of the cucumber.

1. Express the thickness of each small piece in terms of *n, x,*  and *y*.
2. When *n* = 8, *x* = 26, and *y* = 1, find the thickness of each small piece.
3. Do you think the mass of each small piece is the same? Explain briefly.