Name: _____ Date: _____

Period: _____ Area Open Ended Problem

G-11

Suppose you are planning to remodel your family room. The rectangular room is 12 feet wide, 10 feet long, and 8 feet high. How can you determine the number of square feet of carpet, wall paint, and ceiling paint needed? Find these amounts.

If carpet costs $5 per square foot and paint costs $15 per gallon (which is enough to cover 400 square feet), how much will these supplies cost?

SHOW ALL WORK & EXPLAIN YOUR ANSWERS!