**9/23/12 SCSU Math Homework**

1. The first term of a sequence of numbers is 1. If each term after the first is the product of -2 and the preceding term, what is the sixth term of the sequence?
2. Let the function % be defined as A % B =A x (2A + 5B). What is the value of (1 % 2) + (3 % 4)?
3. A cube has 2 faces painted black and the remaining faces painted white. The total area of the white faces is 64 square inches. What is the volume of the cube, in cubic inches?
4. In a certain game, each token has one of three possible values: 1 point, 5 points, or 10 points. How many different combinations of these token values are worth a total of 17 points?