QUIZ 1

Name _____

1. On the basis of data for the years 1988 through 1997, the number of students of osteopathic medicine in the United States, measured in the spring of the year $1900+t$, can be modeled as

$$O(t) = 0.027686t^2 - 4.854t + 218.58318$$

thousand students.

(a) Describe (in words) the input and output of hte function O and give the units of each.

(b) Estimate the number of osteopathy students in the spring of 1998.

2. Find an algebraic formula for $j(y) = 73,000(2.639)^y)$. Use function composition to prove that you are correct.