Biology 4605 / 7220	Name
Quiz #11b	27 November 2007 (Quiz9 29Nov 2000)
1. The relation of a response to an	explanatory variable can be quantified in categories
(categorical explanatory variable)	or as a continuous function (explanatory variable on a

ratio type of scale). For the following analyses, list the number of categorical explanatory variables, the number of ratio-scale explanatory variables, and the number of interaction

2a. Under the assumption of equal sprouting rates, compute the expected <u>proportion</u> of sprouting seeds in each of 4 plots if seed release in each plot was 80, 40, 40, and 20 respectively.

2b. Compute the expected <u>number</u> of sprouting seeds in each plot if a total 45 seeds sprouted.

2c. The observed sprout numbers were 15, 12, 12, and 6 in the 4 plots. Write a model to test the goodness of fit of observed to expected number of sprouts. (Give names to symbols in the model).