name:	Solution

- 1 (10 points). For each of the following scenarios, classify each of the pair of variables as explanatory or response or neither. Justify your answer.
 - (a) Whether a person likes to sing and whether a person likes to dance.
 - (b) The number of pages in a textbook and the cost of a new copy of the textbook.
 - (c) The number of alcoholic drinks consumed and the blood alcohol content.

a) Neither. There is no causel influence being passed between one's enjoyment of singing of darcing b) The number of pages (explanatory) raises the cost (reponse) as the production cost increases. Though a case can be made for "neither c) The number of alcoholie drinks (explanatory) artainly causes

your BAC (response) to rise.