	Solution
name:	7000

- 1 (10 points). Each of the following statements contain an error. Describe each error and explain why the statement is wrong.
  - (a) If the residuals are all negative, this implies that there is a negative relationship between the response variable and the explanatory variable.
  - (b) A strong negative relatioship does not imply that there is an association between the explanatory variable and the response variable.
  - (c) A lurking variable is always something that can be measured.
- (a) There is no relationship between the residuals & the direction of the relationship between variables
- (b) A negative relationship simply means that the response variable moves in the opposite the response variable moves in the opposite direction as athe explanatory variable. The fact that it's strong means there's a strong association
- (c) A lurking variable may not even be known isn't be measured, what isn't be measured, intentionally at least.