Biology 4	1605/7220/ST4581
Quiz 7b.	

Name	<u>Key</u>			
		20 November	1996	

1.	Explained variance = $r^2 = 0.2^2 = 0.04 = 4\%$
	Unexplained variance = $1 - r^2 = 96\%$

		Response	Explanatory		
2.	Regression of metabolic rate on body mass.	1	1		
	Two-way analysis of variance.	1	2		
	Two-way G-test.	1	2		
	Simple correlation of three measures of species diversity.	3	2		
There are 2 possible correlations with 3 variables, hence 2 explanatory variables that can					
be con	structed by combining the variables in pairs.				

3. Lower the measurement error, to reduce Type II error.