<ol> <li>The residual sum of squares, as defined in "Lesson: Sums of squares and estimating the error variance" is a measure of the amount of unexplained variability in the data.</li> </ol>	3/3 points	5.	If our linear regression assumptions are met, then we can estimate the error variance using $\frac{TSS}{n-(p+1)}$	3 / 3 points
True  False			True False	
<ol> <li>The explained sum of squares, as defined in "Lesson: Sums of squares and estimating the error variance" is a measure of the overall variability in the data.</li> </ol>	3 / 3 points	6.	The higher the coefficient of determination, the stronger the causal relationship is between the response and predictors.	3 / 3 points
True			True False	
False  The total sum of squares, as defined in "Lesson: Sums of squares and estimating the error variance" is a measure of variability that is independent of any predictor values.		7.	<ol> <li>A fitted model with a high coefficient of determination is a well-fitting model.</li> </ol>	
			True	
True			False	
False  4. The explained sum of squares, as defined in "Lesson: Sums of squares and estimating the error variance" is a measure of variability that is independent of any linear regression parameter values.	3 / 3 poi	8. \	Which of the following imply that a linear regression model will be non-identifiable?	4 / 4 points
			The response is a constant multiple of a predictor.	
True			One predictor variable is a constant multiple of another.	
False			There are fewer predictor variables than units in the dataset.	
			One predictor value is a linear combination of several other predictor variables.	
			One predictor variable is highly correlated with another.	