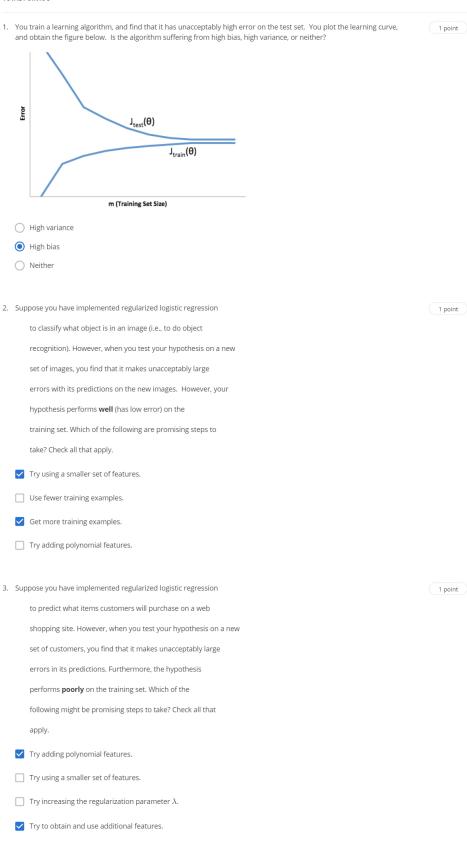
## **Advice for Applying Machine Learning**

TOTAL POINTS 5



A typical split of a dataset into training, validation and test sets might be 60% training set, 20% validation set, and 20% test set. 1 point

4. Which of the following statements are true? Check all that apply.

		Suppose you are training a logistic regression classifier using polynomial features and want to select polynomial (denoted $d$ in the lecture videos) to use. After training the classifier on the entire training decide to use a subset of the training examples as a validation set. This will work just as well as have set that is separate (disjoint) from the training set.	ng set, you		
	<b>~</b>	Suppose you are using linear regression to predict housing prices, and your dataset comes sorted increasing sizes of houses. It is then important to randomly shuffle the dataset before splitting it in validation and test sets, so that we don't have all the smallest houses going into the training set, an houses going into the test set.	to training,		
		It is okay to use data from the test set to choose the regularization parameter $\lambda$ , but not the model	parameters ( $\theta$ ).		
5.	Wh	ch of the following statements are true? Check all that apply.			1 point
		We always prefer models with high variance (over those with high bias) as they will able to better fit	the training set.		
	<b>~</b>	When debugging learning algorithms, it is useful to plot a learning curve to understand if there is a high bias or high variance problem.			
	<b>~</b>	If a learning algorithm is suffering from high variance, adding more training examples is likely to improve the test error.			
	<b>~</b>	If a learning algorithm is suffering from high bias, only adding more training examples may ${f not}$ imperor significantly.	prove the test		
~	th co	.ong Hải Hoàng, understand that submitting another's work as my own can result in zero credit for is assignment. Repeated violations of the Coursera Honor Code may result in removal from this urse or deactivation of my Coursera account.	1	3	₽ P
			Save		Submit