CS5785 Quiz 2

Name: _____   NetID: _____

1. The average squared error loss of a supervised learning algorithm for regression is equal to its bias squared plus its variance (plus irreducible error).

2. As we increase λ in ridge regression, we increase the bias and decrease the variance, relative to OLS.
   Fill in blanks with either "increase," "decrease," or "leave unchanged."

3. The Naïve assumption of Naïve Bayes assumes that feature components are statistically independent in the population.   **True** or **False**? False