Ridge & Lasso Questions (Make sure you watch the videos 1st)

1. The lambda parameter can be used to ___.
   A. Move from L2 regularization to L1 regularization
   B. Alter the amount of the error from a complex model

Your Answer: B_ _ _ _ _ _ _

2. Regularization can be effective when trying to eliminate or reduce ____ .
   A. Underfitting
   B. Overfitting

Your Answer: B _ _ _ _ _ _ _

3. Which of the following should also be considered when deciding between a simpler or a more complex model
   A. Sensitivity and importance of the accuracy of the result
   B. Cost of collecting data
   C. Linear regression vs. Classification

Your Answer: A_ _ _ _ _ _ _

4. Which of the following statements about the ridge regression is false?

   A. Ridge regression is used to prevent overfitting
   B. Ridge regression is used for regularization
   C. Ridge regression is a feature selection algorithm
   D. Ridge regression can prevent multicollinearity issues

Your Answer: C (only shrink coeff) _ _ _ _ _ _ _

5. Which of the following statements about the lasso regression is false?

    A. Lasso regression is used to prevent overfitting

    B. Lasso regression is used for regularization

    C. Lasso regression is a feature selection algorithm

    D. Lasso regression can be used for classification

Your Answer: D_ _ _ _ _ _ _