1. (True/False) According to the assumptions of LDA, each document in the corpus contains words about a single topic.   1 point

   ○ True
   ⦿ False

2. (True/False) Using LDA to analyze a set of documents is an example of a supervised learning task.   1 point

   ○ True
   ⦿ False

3. (True/False) When training an LDA model, changing the ordering of words in a document does not affect the overall joint probability.   1 point

   ⦿ True
   ○ False

4.   1 point

   (True/False) Suppose in a trained LDA model two documents have no topics in common (i.e., one document has 0 weight on any topic with non-zero weight in the other document). As a result, a single word in the vocabulary cannot have high probability of occurring in both documents.

   ○ True
   ⦿ False

5. (True/False) Topic models are guaranteed to produce weights on words that are coherent and easily interpretable by humans.   1 point

   ○ True
   ⦿ False