

**MATH 10B, SPRING 2017, QUIZ 3**

(1) (a) How many anagrams does the word “Mississippi” have?

(b) How many anagrams does the word “Mississippi” have in which ‘s’ is not the first letter?

(2) How many ways are there to arrange a deck of 52 cards so that all cards of the same suit are together (there are 4 suits of 13 cards each)?