

SM 316 – Spring 2019

Homework 1

Due: Wednesday 16 JAN 2019

PLEASE READ THE INSTRUCTIONS/SUGGESTIONS ON THE COURSE WEBPAGE.

Hand in the following problems:

1. From the text book, 2.1, 2.4, 2.8, 2.17, 2.22, 2.30, 2.32, 2.36.
2. 10 women and 5 men are meeting in a conference room. How many different ways can a committee be formed that will consist of 2 men and 2 women?
3. You roll fair die 5 times. How many ways can you see a “full house” in the sense of seeing three roles of one type, and two of another (distinct) type? Note that we do not allow for all five to be of the same type.