1. This worksheet will be graded.

2. Worksheet is due at 945am.

3. **Experiment 1:**

   (a) **Perform the following Experiment two times**: Using the (Play button) online Coin at:
   http://www.randomservices.org/random/apps/BinomialCoin.html
   Toss a fair coin 5 times and note down the outcome of each toss.

   (b) **Fill in the following Table accordingly**

Trial	Outcome of toss 1	Outcome of toss 2	Outcome of toss 3	Outcome of toss 4	Outcome of toss 5	**Y:= Number of Heads**
1						
2						

   Enter the data in the sheet on Experiment 1 in Google Drive link

4. **Experiment 2:**

   (a) **Perform the following Experiment two times**: Using the (Play button) online Dice at:
   http://www.randomservices.org/random/apps/Dice.html
   Roll a fair die 5 times and note down the outcome of each roll.

   (b) **Fill in the following Table accordingly**

Trial	Outcome of Roll 1	Outcome of Roll 2	Outcome of Roll 3	Outcome of Roll 4	Outcome of Roll 5	**Y:= Sum of the Rolls**
1						
2						

   Enter the data in the sheet on Experiment 2 in Google Drive Link

P.T.O.

5. **Experiment 3:**

   (a) **Perform the following Experiment two times**: Using the (Play button) online Dice at:
   http://www.randomservices.org/random/apps/DieCoin.html

   Roll a fair die once and Toss a fair coin as many times as the outcome on the roll. Note down the outcome of both the die and the roll.

   (b) **Fill in the following Table accordingly**

Trial	Outcome of Roll	Outcome of Toss	Outcome of Toss	Outcome of Toss	Outcome of Toss	**Y:= Number of Heads**
1						
2						

   Enter the data in the sheet on Experiment 3 in Google drive LINK

6. **Experiment 4:**

   (a) **Perform the following Experiment two times**: Using the (Play button) online Dice at:
   http://www.randomservices.org/random/apps/CoinDie.html
   Toss a fair coin: if head roll a 1-6 flat die (i.e 1,6 have probability $\frac{1}{4}$ and 2,3,4,5 have probability $\frac{1}{8}$); and if tail roll a 3-4 flat die (i.e 3,4 have probability $\frac{1}{4}$ and 1,2,5,6 have probability $\frac{1}{8}$).

   (b) **Fill in the following Table accordingly**

Trial	Outcome of Toss	Outcome of Roll 1	**Y:= Outcome of Roll 1**
1			
2			

   Enter the data in the sheet on Experiment 4 in Google Drive Link

7. On a sheet of paper write down the 4 tables and Scan the paper as a pdf file and upload into Moodle.