Name: **Biken Maharjan**
CS350

1b) *[M/M/1]*

a)

For **120** after the warm up:

Tw = **1.34718001362**

tq = **17.4034210908**

w = **0.2**

q = **0.7**

For **100,000** after the warm up: ***Theoretical Value***

Tw = **27.2172936112**   -> **32**

tq = **35.1287738124**   -> **40**

w = **2.69486435079**   -> **3.2**
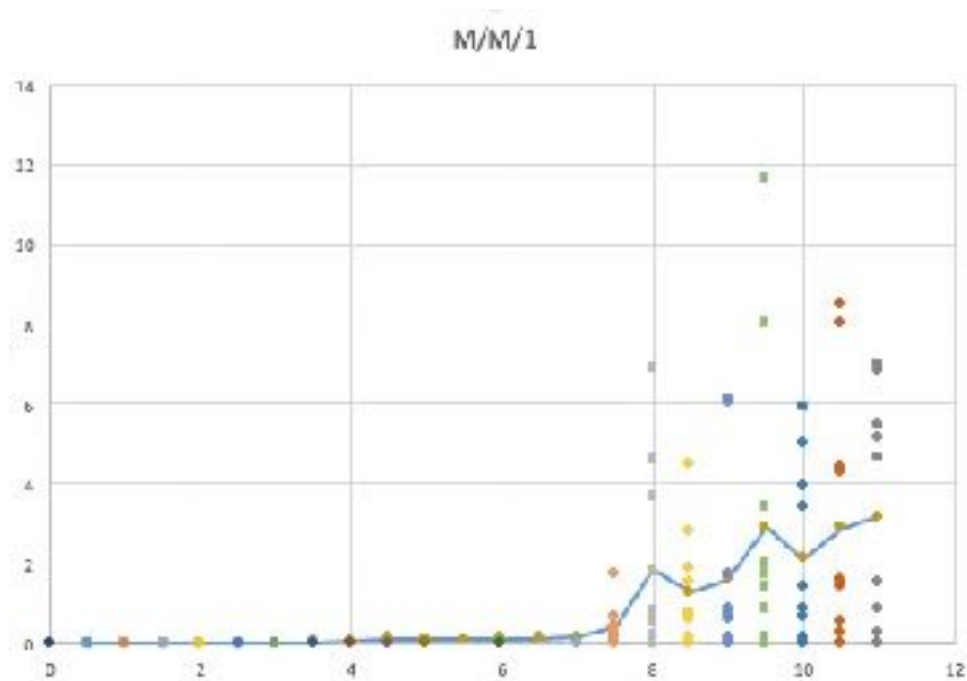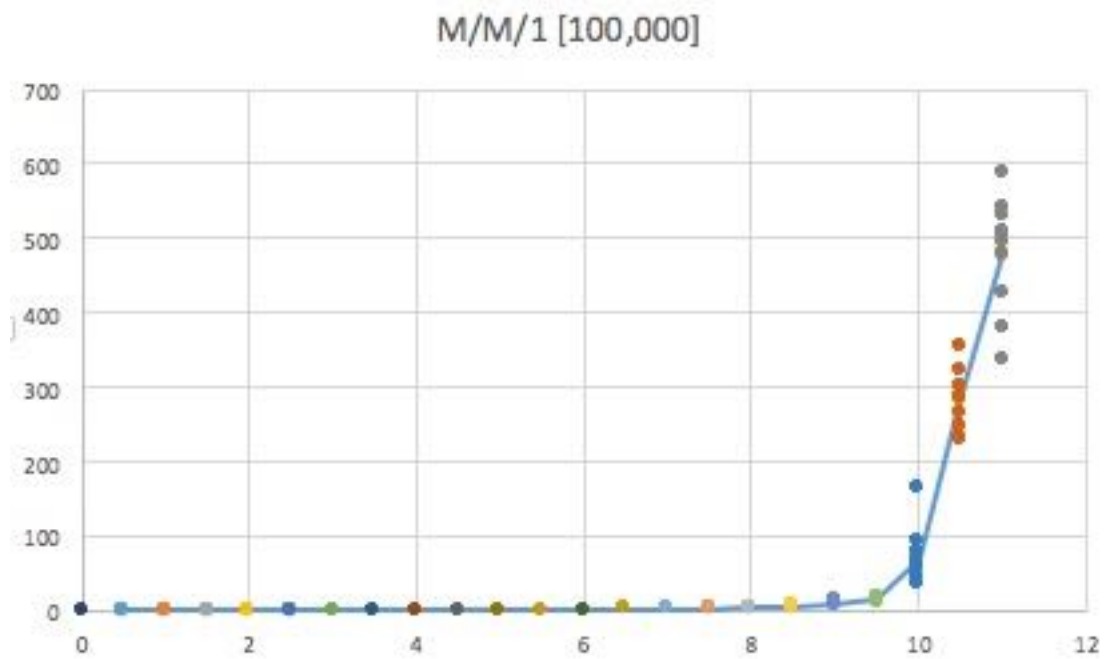
q = **3.48162979277**   -> **4**

b) As the total number of simulation increases the simulation value become more close and close to the theoretical value.
*Graph of simulation in TOTAL_SIMULATION is **120***

M/M/1 [100,000]

*Graph of simulation in TOTAL_SIMULATION is **100,000***