2a. I created a network with the following command:

sudo mn –link tc,bw=10,delay=10ms

and ran iperf, giving the results:

9.49 Mbits/sec, 10.7 Mbits/sec

I then exited mininet and ran a sudo mn –c.

I then repeated the process with 20, 30, 40, 50 and 60 millisecond delays, giving the following results:

20 9.32, 10.8

30 9.09, 11.1

40 8.86, 10.6

50 8.74, 11.3

60 8.37, 10.7

Throughput between two nodes is affected by latency because the latency affects the window size and ramp up of that window size. The longer it takes for packets to be ACK’d the longer it takes for the next wave of packets to be sent. The window size may even collapse because the ACKs take too long even though there is available throughput.

2b. 