**Worksheet 12 - TCP Congestion Control**

Assuming cwnd starts at 1 MSS. Draw the timeline of data flowing from Host A to Host B.

If RTT = 10 ms and each segment carries 10B of data, calculate average TCP throughput or sending rate in 10RTTs.

1. No packet loss event occurs. (This will be the same for TCP TAHOE and RENO).

SSTresh = 4MSS

1. Loss, indicated by timeout, occurs at cwnd = 4MSS. SSTresh = 4MSS

This will be same for TCP RENO and TAHOE

1. Loss, indicated by 3 duplicate ACKs, occurs at cwnd = 6 MSS. SSTresh = 4MSS
   1. TCP TAHOE
   2. TCP RENO