CMPT 371: Quiz (1)

Name: Student Number:

(Q1 – 15 points) **What is the end-to-end delay of sending one packet over N links (i.e. N-1 routers on the way) with transmission rate R? Why?**

What is the end-to-end delay of sending P packets over N links? Why?

(Q2 – 5 points) **Let α denote the rate of packets arriving at a link in packets/second, and μ denote the link's transmission delay in packets/second. How would you define the total delay in such a link?**

Hint : **Queuing Delay can be defined by *IL/R(1-I)* where I is the traffic intensity.**