1.)

500KBps = 5 x 105 bps

3.5Mbps = 3.5 x 107 bps <= **LARGER VALUE**

2.)

a.)ATT highest bandwidth 1000 Mbps $80/month

b.)Spectrum 100Mbps $44.99/month

c.)Att provides the best ratio at 1000Mbps at $80/month

3.)

a.) ATT highest bandwidth 500 Mbps $250/month

b.) Spectrum 100Mbps $44.99/month

c.) Att provides the best ratio at 500Mbps at $250/month

4.)

a.)2 users only

b.)There will be no queuing delay because of the bandwidth. Each user only needs 50% of the bandwidth. There will be a queuing delay if three users transmit at the same time because the bandwidth would have to be 3Mbps to allow for a 3rd.

5.)Delay components consist of routers

Constant delays will consist of processing and transmission delays. Variable delays consist of propagation and queueing delays.

6.)

7.)

8.)