

Tutorial 2 Solution

Question 1

- (a) The last bit of the packet is just leaving host A
- (b) The first bit of the packet is in the link, not reached host B yet
- (c) The first bit of the packet already reached host B
- (d) 536 Km

Question 2

- (a) $9,600/1.5M = 6.4 \text{ ms}$
- (b) $309,000/2 \times 10^8 + 6.4 \text{ ms} = 7.945 \text{ ms}$
- (c) $(7.945 \text{ ms} \times 4) + (1.5 \text{ ms} \times 3) = 36.28 \text{ ms}$

Question 3

$$1 \text{ G} / 120 = 8.33 \text{ Mbps}$$