2a) Maximum and minimum time to know lost frame

Minimum = 5ms + 5ms = 10ms

Maximum = 20ms + 20ms = 40ms

2b) Average throughput considering no dropped frames

79 frames × 20 ms = 1580ms

5000 bytes × 8 = 40.000 bits

$$\text{throughput} = \frac{40000\,[\text{bits}]}{1.58\,[\text{s}]} = 25316.46\,[\text{bits/s}]$$

2c) every 100th frame is lost

$$\text{Retransmissions} = \frac{10000}{100} = 100$$

2d) average time for transmitting frames

$(10000+100)\,20\cdot10^{-3} = 202\,[\text{s}]$