Tutorial 10 Solution

Question 1

$10 \times 10^6 / (1500 \times 8) \times 0.184 = 153$ frames/sec

Question 2

306 frames/sec

Question 3

$0.184 = 1/(1 + (6.44 \times d \times 10^9 / (12{,}000 \times 3 \times 10^8)))$

$d = 2.5$ Km

wide area network

Question 4

$0.368 = 1/(1 + (6.44 \times d \times 10^9 / (512 \times 3 \times 10^8)))$

$d = 41$ m

local area network