1. Consider an end system X that wants to send a 8MB file to another end system Y in a packet-switched network. Each package is 64KiB. There are two routers between X and Y using store and forward transmission with a transmission rate of 5Mbps. Propagation delay and processing delay can be ignored. How much time does it take for the first package to arrive completly at end system Y?
    a. 315 ms
    b. 236 ms
    c. 157 ms
    d. 79 ms

2. Consider the same situation as in the previous question. How much time does it take until the last bit is received in end system Y?
    a. 247 ms
    b. 2479 ms
    c. 4 s
    d. 1 s

3. Ignoring propagation and processing delays, sending one packet of L bits from source to destination over a path consisting of N links each of rate R has a total delay of
    a. $\frac{L}{R}$
    b. $\frac{N}{R}$
    c. $N \times \frac{L}{R}$
    d. $(N+1) \times \frac{L}{R}$

4. What is the size of a MAC address?
    a. 24 bits
    b. 42 bits
    c. 36 bits
    d. 48 bits

5. In a Time Division Multiplexing link, if there are n sources of the same data rate, how many slots are there in a frame?
    a. N
    b. $N \times 2$
    c. $\frac{N}{2}$
    d. 2^N