True or false?

1. The throughput of a single-server network is equal to the average arrival rate.  
   **Answer:** true (see p.19 [H])

2. The throughput of a single-server system with finite buffer is equal to the average arrival rate.  **Answer:** false (because of dropped jobs, see p.20 [H])

3. A typical goal of the designer of an interactive (terminal-driven) closed queueing network is to minimize response time.  **Answer:** true (see p.21 [H])

4. A typical goal of the designer of a batch closed queueing network is to maximize throughput.  **Answer:** true (see p.23 [H])