More More Review for Midterm Exam

Practice Problems

This is not a sample exam! These are just practice problems for you to use to brush up on the material.

1. Describe a scenario in which the following simple protocol can fail; describe the nature of the failure. Assume that there is no data corruption, only lost packets.

**SENDER:**
1. wait for data from layer above
2. create packet containing data
3. send packet to receiver
4. start timer
5. Wait for ACK packet from receiver (stop waiting if timer expires).
   - if ACK received, go back to step 1.
   - if timeout occurs, go back to step 3.

**RECEIVER:**
1. wait for packet to arrive from sender
2. pass data to layer above
3. create ACK packet
4. send packet to sender
5. Go back to step 1.

2. How would you repair the protocol above (details not necessary, but describe the basic idea)?

3. Which of the following applications use TCP and which use UDP? ...