

Your Name:	
SID:	CS162 login:
TA:	Discussion Section:
Score:	

This is a **closed book and notes** ten-minute quiz. Write all of your answers directly on this paper.

Good Luck!!

1. (6 points total) True/False. Circle the correct answer for each of the following questions.
- a. IP's "Best Effort" packet delivery uses retransmissions to ensure that packets are delivered.

TRUE

FALSE

False. Best effort makes no extra effort to deliver packets.

- b. According to the General's Paradox, messages over an unreliable network cannot be used to guarantee that two entities do something simultaneously.

TRUE

FALSE

True. There is no way to guarantee that the last message gets through.

2. (6 points) Which of the following one or more properties is **NOT** provided by TCP?

- | | |
|--|---------------------------|
| 1. Reliable, in-order, at most once delivery | 5. Packet oriented |
| 2. Guaranteed bandwidth | 6. Congestion control |
| 3. Stream oriented | 7. Two-way communications |
| 4. Flow control | 8. Guaranteed latency |

_____ *#2, #5, #8 are not provided by TCP.*

3. (8 points) Which of the following one or more properties **ARE** provided by transactions?

- | | |
|-----------------------------|----------------|
| 1. Isolation | 5. Concurrency |
| 2. Replication | 6. Atomicity |
| 3. Conflict serializability | 7. Durability |
| 4. Consistency | 8. Reliability |

_____ *Transactions provide #1, #4, #6, #7.*