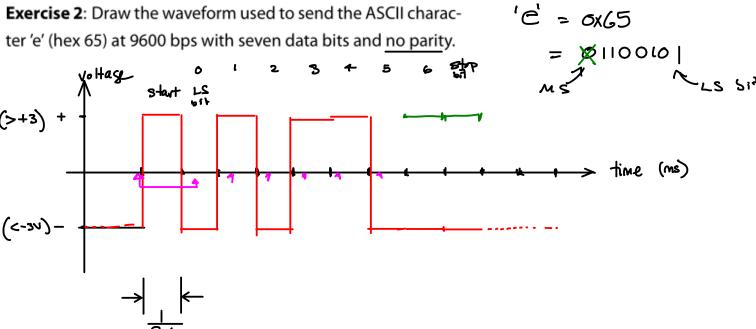
Lecture 4 - Serial Interfaces

Exercise 1: Is the "Transmit Data" (TxD) signal an input or an output? How about "Receive Data" (RxD)? Is a computer a 'modem' or a 'terminal'?

Exercise 2: Draw the waveform used to send the ASCII charac-



Exercise 3: Will the parity bit allow the receiver to detect all single-bit errors? All double-bit errors?

Exercise 4: What happens if the receiver's clock is running faster than the transmitter clock?

Exercise 5: What would happen if the receiver was expecting 8-bit characters and the transmitter was sending 7-bit characters? What about the reverse case?