Lab6.

Q1. D – 1334 Because initially next Sequence number equals initial sequence number, when data is received then data is added to the sequence number.

Q2. Yes, it could have received the but not been acknowledged so be resending it.

Q3. It will increase the time out because the deviation will increase there fore when calculating timeout interval and adding together smoothed RTT and Dev \*4 it will be greater.

Q4. (1 – 0.75) \* 8 + 0.25(8)  
 101 + 2.75\*4 **= 104**

Q.5 C – Flow Control

Q6. A – One RTT as it stands for Round trip time, the “round trip” being the connection from sender to receiver and back

Q7. B – Triple ack – if there are three or more duplicate acks in a row that is a indication that a segment has been lost, it then trys to resend that segment

Q8. True – if they have underestimated the RTT then it means there is a real chance they might go over the time aloud and have to resend the packet

Q9. SMTP, HTTP and FTP use TCP

Q10. **C - 0.8seconds**

Q11. **C – 4 seconds**

Q12. **B – 40Packets**