Wireshark Assignment 2

The following assignment uses the wireshark capture data from an SMTP session which generates an email message using the previous computer assignment. The capture data can be loaded into wireshark for analysis. Using this information, answer the following questions.

1. What is the ethernet address of the SMTP client, and what is the ethernet address of the SMTP server?

2. What is the IP address of the SMTP client, and what is the IP address of the SMTP server?

3. Which frame was used to generate the To:header line in the message? Use the packet numbers 1 to 39 from the capture file.

4. Which frame acknowledged the Subject: header line in the message?

5. Which frames generated the body of the message?

6. In the first SMTP frame (frame 4), what are the lengths of the frame, the ethernet header and the SMTP header? Give the length in bytes.

7. In the first frame (frame 1), what are the lengths of the frame, the ethernet header?

8. If frames 23 and 24 were missing, what effect would this have on the generated email message?