R14.

1. False
2. False
3. True
4. False
5. True
6. False
7. False

R15.

1. 20 bytes
2. 90

P26

1. 2^32 bytes = 4,294,967,296 bytes = ~4.3 GB
2. 4,294,967,296 / 536 =

8,012,998.687 -> 8,012,999 segments

8,012,999 segments \* 66 header bytes = 528,857,934 header bytes

4,294,967,296 + 528,857,934 = 4,823,825,230 total bytes

4,823,825,230 / 155,000,000 = 31.6 seconds

P27

1. \* Seq = 207
   * Source port = 302
   * Destination port = 80
2. \* ACK = 207
   1. Source port = 302
   2. Destination port = 80
3. ACK = 227
4. Seq. 127, 80 bytes

ACK 207

(lost)

Seq. 207, 40 bytes

ACK 247

Seq 127, 80 bytes

ACK 247