Homework 11 Solutions

Problem 1. (a) segment  (b) packet  (c) frame  (d) bit

Problem 2. packet

Problem 3. segment

Problem 5. (a) Network  (b) Data link  (c) Transport  (d) Physical

Problem 6. (a) \[
\frac{100}{100 + 58} = 0.633 \quad (63.3\%)
\]

(b) \[
\frac{1000}{1000 + 58} = 0.945 \quad (94.5\%)
\]

Problem 7. The layers of the TCP/IP model are:

<table>
<thead>
<tr>
<th>Application</th>
<th>Transport</th>
<th>Network</th>
<th>Data Link</th>
<th>Physical</th>
</tr>
</thead>
</table>

(a) Data Link  (b) Transport  (c) Physical  (d) Application  (e) Network