

**ECE 465: Computer Network Protocols and Applications**  
**Homework 3**  
**Solution**  
**Dr. Paris**

**Chapter 2 Review Questions**

1. The Web: HTTP; file transfer: FTP; remote login: Telnet; Network News: NNTP; e-mail: SMTP.

**Chapter 2 Problems**

**Problem 1.**

- a) F
- b) T
- c) F
- d) F

**Problem 2.**

Access control commands:

**USER, PASS, ACT, CWD, CDUP, SMNT, REIN, QUIT.**

Transfer parameter commands:

**PORT, PASV, TYPE STRU, MODE.**

Service commands:

**RETR, STOR, STOU, APPE, ALLO, REST, RNFR, RNT0, ABOR, DELE, RMD, MRD, PWD, LIST, NLST, SITE, SYST, STAT, HELP, NOOP.**

**Problem 5.**

Persistent connections are discussed in section 8 of RFC 2616 (revised version of RFC 2068, the real goal of this question was to get you to retrieve and read an RFC). Sections 8.1.2 and 8.1.2.1 of the RFC indicate that either the client or the server can indicate to the other that it is going to close the persistent connection. It does so by including the including the connection-token "close" in the Connection-header field of the http request/reply.