CMSC/AMSC/MAPL 460 Computational Methods Assignment 1 09/08/2005

Due: Before class on 09/15/2005

1. DO the following problems in the text: 1.25, 1.34, 1.35, 1.38, 1.39
2. Single precision floating point numbers are stored using 32 bits. One bit is used for the sign, 23 bits for the significand, and eight bits for the exponents. Derive the properties of this representation (i.e., repeat the results presented in class for double precision).