1. The IEEE double-precision floating-point format is composed of a 1-bit sign, an 11-bit biased exponent with a bias of 1023 and a 52-bit fraction. Determine the decimal value of the following IEEE double-precision floating-point format number, specified in hex:

c0b5540000000000

2. The IEEE single-precision floating-point format is composed of a 1-bit sign, an 8-bit biased exponent with a bias of 127 and a 23-bit fraction. Determine the IEEE single-precision floating-point representation (specified in hex) of the following decimal value:

515