CS 101 – Homework #3 – Due Friday March 23, 2012 – Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Clearly show your work for all problems.

1. Determine the 8-bit unsigned representation of 78.
2. Determine the 8-bit signed representation of –78.
3. The bit pattern you obtained in #2 represents the unsigned representation of what number?
4. What is the 7-bit biased-63 representation of 17?