Due October 23rd (No late assignments accepted)

Assume 32 bit word size (answers should be in normalized format)

1. Show -59 (decimal) in 2’s complement and hex
2. Show –2B (hex) in 2’s complement and the corresponding hex
3. Show the hex and the binary notation for -87.546 (decimal) using BCD
4. Convert 1.1101100two to decimal
5. Convert 20.95313 to binary (write your answer in normalized form)
6. Covert 0 11110110 11000000000000000010000 (single precision floating point notation) to decimal
7. Covert 1 01111000 11101001000000000000000 (single precision floating point notation) to decimal
8. Store 5.29296875 in single precision floating point notation (show the hex)
9. Store 34.1875 in single precision floating point notation (show the hex)
10. Add 1.0111\*24 + 1.011\*22 Show the binary (normalized form) and decimal