

Name:

Id#

COE 301/ICS 233, Term 161

Computer Architecture & Assembly Language

Quiz# 4

Date: Tuesday, Dec. 6, 2016

1. **[3 Points]** Find the normalized single precision float representation of +59.25.

2. **[5 Points]** Find the normalized difference between A and B by using rounding to nearest even. Perform the operation using **guard**, **round** and **sticky** bits:

$$A = +1.000000000000000000000000 \times 2^4$$

$$B = +1.111100000000000000000001 \times 2^3$$