

### **EX.0.3.6, Sauer**

Do the following sums by hand in IEEE double precision computer arithmetic, using the Rounding to Nearest Rule.

a.  $(1 + (2^{-51} + 2^{-52} + 2^{-54})) - 1$

b.  $(1 + (2^{-51} + 2^{-52} + 2^{-60})) - 1$