Assignment 2
MEEN 357

Jacob Hartzer

February 10, 2017

Task 4

```
 format  long  e ;
( 0 . 6  +  0 . 6  +  0 . 6 )  −  1 . 8

ans  =

         − 2 . 2 2 0 4 4 6 0 4 9 2 5 0 3 1 3 e −16
```

This is not the result that one would expect from the perspective of mathematics. From a math point of view, the answer is clearly exactly zero. However, these floating point numbers arent representable as a simple, finite string of binary code. Therefore, there is rounding during each of the above operations. The total rounding is summarized by the above non-zero answer.