CSE-312 (Lab-1+2)

1. Suppose the measured value of the temperature is T_m = 146.2, but the true temperature is T = 145.9 (Same unit). What is the absolute error, and the relative error?
2. Find the relative error of 8.6 where both of digits are correct.
3. Find the decimal point of any given number.

   Sample input: 2.8571
   Sample output: 4

4. Calculate the value of the following functions:

   a. $f(x) = x^3 + 5x - 1$, where $x = 1.5$
   b. $f(x) = e^x - 1$, where $x = 1$