For the following questions, show all of your work. It is not sufficient to provide the answers. Calculate only out to 2 decimal digits (if required).

## Exercise 1. Convert the following numbers from base 7 to base 10:

a. $1235_{7}$
b. 21.347

Exercise 2. Convert the following numbers from base 10 to base 7:
a. $531_{10}$
b. $19.8_{10}$

Exercise 3. Convert the following numbers from base 10 to binary, octal and hexadecimal:
a. $232_{10}$
b. $171_{10}$

Exercise 4. Convert the following numbers from hexadecimal to decimal and to binary.
a. $1 B 77_{16}$
b. ACDB $_{16}$

