Name:

Students, please answer these questions and return to me, via email, by 17:00 PM, 10 May 2019.

1) What is GROSS ERROR?

2) Give me your definition of PRECISION.

3) Give me your definition of ACCURACY.

4) If the relative uncertainty of concentration for Rb and Sr is 3% and 8% respectively, tell me what is your estimate for the uncertainty of the Rb/Sr ratio. First give me an estimate, then the equation (I and not interested in you solving it exactly right now).

5) Define: mean, median, mode, and standard deviation.

Define the following concentration units in 10^X units

1) ppm   _____

2) ppt   _____

3) ppq   _____

4) ppb   _____

Define the following units in SI base units

1) electrical current   _____

2) length   _____

3) mass   _____

4) time   _____

Define the following SI prefixes in 10^X units

6) atto   _____

7) nano   _____

8) pico   _____

9) femto   _____

10) exa   _____

11) peta   _____

12) tera   _____