

College Prep Chemistry of the Earth System

Assignment 1G

20 Points

Adding and Subtracting with Measurements

Answer the following questions, showing all work. No Work = No Credit!

1. Round the following measurements to the given number of places after the decimal. Write original number and newly rounded answer on paper
 - a. 12.09m (1)
 - b. 1426.1 (0)
 - c. 51.629 (2)
 - d. 0.00205 (1)
 - e. 0.0497 (2)
 - f. 0.9352 (2)

Note – d – f, 1st digit is the first non-zero digit
2. Perform the following operations, rounding the answers to the correct number of digits, 2 after decimal max
 - a. $32.05\text{m} + 29.08\text{m}$
 - b. $225.3\text{g} + 371\text{g}$
 - c. $0.0867\text{L} + 0.092\text{L}$
 - d. $0.059\text{s} + 0.0153\text{s}$
 - e. $401.63\text{in} - 27.45\text{in}$
 - f. $76.836\text{cm} - 40.16\text{cm}$
 - g. $6.689\text{L} - 0.92\text{L}$
 - h. $0.923\text{s} - 0.15\text{s}$