

## College Prep Chemistry of the Earth System

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### Assignment 1I

20 Points

#### Operations with Measurements

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

1. Perform the following operations, rounding the answers to the correct number of digits, 2 after decimal max

- a.  $56.13\text{g} \cdot 64.9\text{g}$
- b.  $8.692\text{m} \cdot 4.59\text{m}$
- c.  $0.160\text{atm} \cdot 0.7843\text{atm}$
- d.  $0.9216\text{g} \cdot 0.124\text{g}$
- e.  $50.67\text{m} / 3.45\text{s}$
- f.  $942.3\text{g} / 12.0\text{L}$
- g.  $0.775\text{kg} / 0.58\text{mL}$
- h.  $8.030\text{atm} / 0.72\text{L}$

#### *Review*

- i.  $57.7\text{g} + 24.13\text{g}$
- j.  $0.85\text{L} + 0.03\text{L}$
- k.  $5.8\text{g} - 1.24\text{g}$
- l.  $0.615\text{m} - 0.1276\text{m}$