

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Rules for Addition and Subtraction with Significant Digits

Add or subtract the numbers and then round the answer to the same decimal place as the least-accurate number.

$$\begin{array}{r} 24.6\mathbf{5} \\ + 5.\mathbf{2} \\ \hline \end{array}$$

$$29.85$$

$$29.9$$

$$\begin{array}{r} 8.24\mathbf{6} \\ - 6.1\mathbf{2} \\ \hline \end{array}$$

$$2.126$$

$$2.13$$

Answers rounded to the correct number of significant digits.

Add or subtract and round to the correct number of decimal places:

1.  $2.35 + 1.2 = 3.55 = 3.6$

2.  $33.12 + 21.123 =$  \_\_\_\_\_

3.  $33.12 - 21.123 =$  \_\_\_\_\_

4.  $123.8 + 2.22 =$  \_\_\_\_\_

5.  $123.8 - 2.22 =$  \_\_\_\_\_

6.  $55.5 + 22.123 =$  \_\_\_\_\_

7.  $12.25 + 12.255 =$  \_\_\_\_\_

8.  $15.00 + 15.008 =$  \_\_\_\_\_

9.  $15.00 - 14.0 =$  \_\_\_\_\_

10.  $6.000 + 6.33 =$  \_\_\_\_\_