

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

### Significant Figures

State the number of significant figures in each figure given:

1. 10009 \_\_\_\_\_

2. .009201 \_\_\_\_\_

3. 182.023 \_\_\_\_\_

4. .01000 \_\_\_\_\_

5. 1000 \_\_\_\_\_

6. 0.00300 \_\_\_\_\_

7. 1003001 \_\_\_\_\_

8. 700 \_\_\_\_\_

9. 101.00 \_\_\_\_\_

10. 123001 \_\_\_\_\_

11. .0001010 \_\_\_\_\_

12. 12.0 \_\_\_\_\_

13. 0.00333 \_\_\_\_\_

14. 10001 \_\_\_\_\_

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

Significant Figures and Subtraction and Addition  
and Multiplication/Division Review

Calculate the following with the correct number of significant figures.

$$\begin{array}{r} 1. \ 23.36 \text{ g} \\ + \ 5.6 \text{ g} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \ 0.022580 \text{ m} \\ + \ .0095 \text{ m} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \ 2514.6 \text{ g} \\ - \ 52.6 \text{ g} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \ 15.2 \text{ m} \\ + \ 2.00 \text{ m} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \ 125.2 \text{ ml} \\ - \ 100 \text{ ml} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \ 95.3 \text{ cm} \\ + \ 3.22 \text{ cm} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \ 250. \text{ km} \\ - \ .025 \text{ km} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \ 50.0 \text{ g} \\ + \ 0.26 \text{ g} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \ 0.02584 \text{ g} \\ + \ 0.0001 \text{ g} \\ \hline \end{array}$$

10.  $215.00 \text{ m} \times 0.02 \text{ g} =$

11.  $95,000 \text{ g} \times 200 \text{ g} =$

12.  $25.36 \text{ g} / 5 \text{ g} =$

13.  $25.2 \text{ g} + 20.00 \text{ g} =$

14.  $69.0 \text{ g} / 68.99 \text{ g} =$

15.  $100.0 \text{ g} - 0.0025 \text{ g} =$