

Name: _____

Date: _____

Worksheet 3 Significant Figures

1. How many significant figures are in the following?

a. 521 _____

b. 402 _____

c. 0.2 _____

d. 0.0042 _____

e. 1.09 _____

f. 612000 _____

2. Write the following in scientific notation.

a. 30000 _____

b. 0.00235 _____

c. 0.4 _____

d. 3007000 _____

3. Rewrite the following using only 3 significant figures.

a. 1523 _____

b. 0.012 _____

c. 1104 _____

d. 12.05 _____

e. 6.103 _____

f. 3.267×10^2 _____

4. Do the following operations with the correct number of significant figures.

a. $5.02 + 4.338 =$ _____

d. $0.006 \times 21.3 =$ _____

b. $207 - 23.6 =$ _____

e. $(2.5 \times 10^4) \times 0.206 =$ _____

c. $899 \div 1.7 =$ _____

f. $(3.26 + 0.8) \times 104 =$ _____