

## Worksheet 9/11/2024

1) State the number of significant digits and the implied precision of the following numbers.

a) 8234

b) 923.12

c) 800

d) 0.003

e) 0.0030

f) 7.435 miles

g) 350,000 years

2) Round the number 123,553.6734

a) to the nearest one

b) to the nearest ten

c) to the nearest hundred

d) to the nearest thousand

e) to the nearest tenth

f) to the nearest hundredth

3) Carry out the indicated operations and round your answer with the specified number of significant digits.

$23 \times 12.4$  with 3 significant digits

$988 \div 10.3$  with 2 significant digits

$(1.323 \times 10^5) \times (3.0 \times 10^3)$  with 3 significant digits