

## Practice Worksheet 2.1 – Significant Figures

1. How many significant figures are there in each measurement?

a) 727.2 m

b) 601 g

c) 46.0 mL

d) 0.044 g

e) 320 cm

f) 0.00401 L

g) 1060 s

h) 123456 mg

i) 12.500 g

j) 340.010 mL

k) 0.02 m

l) 0.5 kg

m)  $1.113 \times 10^3$  kg

n)  $8.00 \times 10^8$  m

o) 6.80 °C

p)  $7.67 \times 10^1$  °C

2. Write the following measurements to the number of significant figures listed. Hint: scientific notation may be useful here.

a. 654.64587 m to 6 SF

b. 654.64587 m to 3 SF

c. 654.64587 m to 1 SF

d. 100 cm to 3 SF

e. 7000 cm to 2 SF

f. 125000 mm to 4 SF