## Solve the following problems using significant figures and the correct unit.

<ol> <li>How many Significant Figs and which rule (on front) explains why: (ex. 2.12 m answer: 3 Rule # 1)</li> </ol>	
a. 3.011 cm Rule #:	b. 0.0010 mL Rule#:
c. 251 gRule#:	d. 1000 kg Rule#:
e. 1.000 x 10 <sup>-6</sup> LRule#:	f. 0.012004 mgRule#:
g. 1,200,344 kmRule#:	h. 11.0 LRule#:
2. Calculate the following addition problems using significant figures:	
i. 35 mL + 0.368 mL =	j. 0.04 g + 0.2 g =
k. 2.35 mm + 4.7 mm =	I. 2.3 x 10 <sup>8</sup> m + 3 m =
3. Do the following subtraction problems using significant figures:	
m. 23 g - 0.05 g =	n. 0.345 mL - 0.05 mL=
o. 8.7 x 10 <sup>8</sup> m - 9 m =	p. 13.9 L - 5 L =
4. Calculate these multiplication problems using significant figures:	
q. 2.3 cm x 8.678 cm =	r. 3 g x 9 =
s. 5.67 km x 8 km =	t. 200 L x 3.78 =
5. Calculate these division problems using significant figures:	
u. 12.6 cm / 23 cm =	v. 4 g / 2.345 g =
w. 1345.6 L / 2.34 L =	x. 3 g / 2.6 mL =