Name:			
Review: Scientific Measur	rement		
1. What is the difference b	petween accuracy and pre	cision?	
2. Convert the values belo work.	w. Write the answer with a	appropriate units and sig	figs. Show your
1.60934 km = 1 mi	2.20462 lbs = 1 kg	0.264172 gal = 1 L	
Convert 3.3 mi to cm:			
Convert 240 a to lba			
Convert 349 g to lbs:			
Convert 6.43 mL to gal:			
3. How many significant fi	gures are in the following	values?	
0.451 grams			
600.0 grams			
9.10 x 10 ⁻³ L			
0.020220 m			
1300 K			

(don't forget units):		
65 grams ÷ 2.113 mL =		
0.12 grams + 12.998 grams =		
10.3 grams – 0.07 grams =		
4500 mm + 13.83 mm =		
16.84° C ÷ 22 sec =		
5. Convert the following numbers into scientific notation:		
0.0000423		
2,400,000		
0.0091		
8,377		
0.06100		
6. Convert the following numbers into standard notation:		
7.45 x 10 ⁷		
2.54 x 10 ⁻⁵		
3.847 x 10 ⁻⁴		
0.55 x 10 ⁻¹		
4.99 x 10⁵		

4. Solve the following problems using the correct number of significant figures in the answer