	Name										od _	All	
•	Assignment 00 – Unit 0 Calculation Review  Calculate the relative error for the following measurements											30 Points	
PE(+) Exp>know	Known Value		Experiment Value	al K	Known Value - Experimental Value =					Relative Error (RE)			
RE(-)	49.4g		45.1g			-			=				
ExpCknow	1.30cm		1.45cm		1.45 cm	j - /	1.30	cn	) =	+	0.	15 cm	
Solve the following problems based on the measurements above. For addition and subtraction round to $E_{X} = [L_{MAX}]$ are decimal place as measurements.													
least #	45.60g					0.4201	mL	-	0.21r	nL			
places after decimal	+			=		0.42	0.420ml - 0.2				$\frac{2lmL}{2} = 0.2lmL$		
	23.4g	•	132.59g			235.2	2g	/	129.4	mL		1	
2 places after decimal 23.4 $g \cdot  32.59g = 3102.6 g^2$ =													
Solve each problem, writing the equation for each variable given													
	Density	D=	$=\frac{m}{v}$	—— Mass		= D • v Volum			olume	$v = \frac{m}{D}$			
	D = 1.:	59g/m	L, v = 194.2r	m = 92.5g, $v = 120.4mL$ find Density (D)									
	Equati	on	M	= D	- V	Equation							
	D=	1.50	19/mL v	= 191	1.2 <u>m</u> L	m =				v =			
	m = ( <i>Work</i> )	]_!	59 g/ml	- Show - 194	work! 1.2mt	D = ( <i>Work</i> )							

Density (D) =

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 $\mathrm{Mass}\,(m) =$