Joseph Blough Partner: Jane Doe 1125 - section 1 Desk # 7 Sep. 7 <sup>th</sup> , 2010								Properly label heading with the title, your name, partner's name, course/section #, desk #, and date
Density of a Cylinder								Describe the purpose of the lab in a form
Purpose Find the density of a metal cylinder.								in the conclusion
<u>Apparatus</u> metal cylinder # 115, 2 pan balance # 4, vernier calipers # 15								List all apparatus used
Data								<ul> <li>along with the identifying numbers</li> </ul>
	Table 1: Mass of the cylinder m (g)							
	Uncertainty		± 0.					and uncertainties in
Reading			38.6					tables with descriptive titles
Note: zero reading was zero.								
	Table 2: Dimensions of the cylinder (cm)							
			Length L		Diameter d		1	
	Precision of calipers Zero Reading Reading 1 Reading 2 Reading 3 Average Reading Corrected Reading		± 0.01		± 0.01			
			- 0.01		- 0.01			
			3.23		1.31			
			3.26		1.31			
			3.24		1.30			
			3.2433		1.3067			
			3.2533		1.3167			
Uncertainty			0.015		0.01			
Note: for the length L, the scatter is (3.26-3.23)/2=0.015 cm, bigger than the precision of the calipers, so we use 0.015 cm for the uncertainty. While for the diameter d, the scatter is (1.31-1.30)/2=0.005 cm, smaller than the precision of the calipers, so we use 0.01 cm.								Briefly explain how you get the value of the uncertainty

