Physics 124: Analytical Physics I Laboratory

Take-home Assignment

Name _____
Lab Partner: _____

1) Complete the tables below. Use a pencil.
2) This information should also be easily found in your log book.
3) Answer questions on the back of the page.
4) Hand in this sheet AND put an Excel Spreadsheet in the Class Drop Box.

	Initial			
Property	**Puck A**	**Puck B**	**Complete System**	**Unit**
m	±	±	±	
v_x	±	±	±	
v_y	±	±	±	
p_x	±	±	±	
p_y	±	±	±	
$\|\boldsymbol{p}\|$	±	±	±	
θ	±	±	±	
KE_{trans}	±	±	±	

	Final			
Property	**Puck A**	**Puck B**	**Complete System**	**Unit**
m	±	±	±	
v_x	±	±	±	
v_y	±	±	±	
p_x	±	±	±	
p_y	±	±	±	
$\|\boldsymbol{p}\|$	±	±	±	
θ	±	±	±	
KE_{trans}	±	±	±	

5) Discuss which of the 24 properties in the table were expected to be conserved in this experiment, and how closely those expectations were met. Be aware that a discussion is not a list; include ***reasons***.

6) Answer question 1 on page 37 of the lab manual.