TFES Lab (ME EN 4650)
Refrigeration Lab: Grade Sheet*

Student Name:

Lab Section:

	Possible	Score
Plots:		
1a. Plot temperatures versus flow rate (4 different data sets)	2	
1b. Plot specific energies as a function of flow rate (4 different quantities)	7	
1c. Plot COP_R versus mass flow rate	4	
1d. Plot η_c and power supplied versus mass flow rate (2 different y-axes)	4	
1e. P-h diagram (highest flow rate)	7	

	Possible	Score
Figure Captions: 2 pts each	10	

	Possible	Score
Short-Answer Questions:		
2a. Discuss differences between actual versus ideal cycle	2	
2b. Explain what flow rate the system should be run	2	
2c. Explain how to increase COPR	4	

	Possible	Score
Matlab Code:	8	

Total: **50**

* see the posted Handout for details regarding the specific requirements for each part