## WRITING RUBRIC

	TOTAL	6.5/10.0
10. Analysis		0.5/10.0
9. Materials		0.5/10.0
8. Summary		0.5/10.0
7. Calculations		0.5/10.0
6. Procedure		1.0/10.0
5. Data and var	iables	0.5/10.0
4. Design consi	derations	1.0/10.0
3. Sources		0.5/10.0
2. Drawings		1.0/10.0
1. Purpose		0.5/10.0

(Using Rubric, points earned x percentage per category)

## PROBLEM 1

	TOTAL	3/7 out of 7/7
7. Final results		0/7 out of 1/7
6. Why results make sense and manometer length		0/7 out of 1/7
5. Using excel, get mercury case		1/7 out of 1/7
4. Correct excel spreadsheet		0/7 out of 1/7
3. Solve for the gasoline distance (y)		0/7 out of 1/7
2. Cancel the distance with water (x)		1/7 out of 1/7
<ol> <li>Identify all unknown dimensions in drawing</li> </ol>		1/7 out of 1/7

## PROBLEM 2

1. Select pipe diameter using 3 m/s	1/8 out of 1/8
2. Compute all energy losses	1/8 out of 1/8
3. $h_A$ and pump power	1/8 out of 1/8
4. Pressure at pump inlet	1/8 out of 1/8
5. Correct excel spreadsheet	0.5/8 out of 1/8

:	ΤΟΤΑΙ	6.5/8 out of 8/8
9. Final results		0/8 out of 1/8
8. What is the best pipe diameter?		1/8 out of 1/8
7. Installation, operating, and total costs		0/8 out of 1/8
6. Pump power for 4 oth	er pipe sizes	1/8 out of 1/8

## FINAL GRADE:

6.5 + (80/2) \*(3/7+6.5/8) = 56.14