## MSE 227L Cold Working of Brass

Name\_\_\_\_\_

	Poor	Fair	Average	Good	Excellent
Memorandum Format Used	1	2	3	4	5
Spelling, grammar, & punctuation correct	1	2	3	4	5

Report includes:	Poor	Fair	Average	Good	Excellent
Graph Rockwell B hardness (on y-axis) vs. percent reduction in thickness (on x-axis).	1	3	5	8	10
Graph Rockwell B hardness (on y-axis) vs. annealing temperature (on x-axis).	1	3	5	8	10
Graph the ASTM grain size number (n) vs. temperature for the three highest annealing temperatures.	1	3	5	8	10
Include table of results and data collected.	1	2	3	4	5
Discuss the purpose of cold working and annealing.	1	2	3	4	5
Discuss what happened to the microstructure during the annealing process.	1	2	3	4	5
Attach photos of the microstructures at each of the different temperatures of annealing; include grain size measurements for several of the temperatures.	1	2	3	4	5
Column Subtotals					

	Poor	Fair	Average	Good	Excellent
Overall level of effort apparent	1	2	3	4	5
Quality of graphs	1	2	3	4	5
Quality of abstract	1	2	3	4	5
Quality of work description	1	2	3	4	5
Quality of conclusions	1	2	3	4	5
Column Subtotals					

Total = \_\_\_\_/ 85 = \_\_\_\_