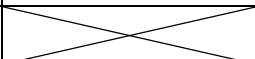


Name \_\_\_\_\_ Section \_\_\_\_\_

Partner \_\_\_\_\_

### CHM 111 Nickel Quantification Lab Report Form

Calculate the concentration for solutions 1-5. As always, show samples of all calculations.

	Concentration, M	Abs
Solution 1		
Solution 2		
Solution 3		
Solution 4		
Solution 5		
Unknown		

Construct a graph of Abs vs. concentration for solutions 1-5. This graph should give a straight line, which is referred to as the calibration curve. Find the equation of the line.

Using the equation of the line, calculate the concentration for your unknown. \_\_\_\_\_

Unknown number \_\_\_\_\_

Using the concentration, calculate the number of grams of nickel sulfate hexahydrate in your 50.00 mL unknown. \_\_\_\_\_

Using the concentration, calculate the number of grams of just nickel ion in your 50.00 mL unknown.  
\_\_\_\_\_