Determining Protein Concentration Worksheet

Data Table

Cuvet Number	Absorbance
1	
2	
3	
4	
5	
6	
7	

Post-Lab Analysis and Questions

1. Plot the absorbance versus concentration and draw a best fit line graph that includes 0,0.
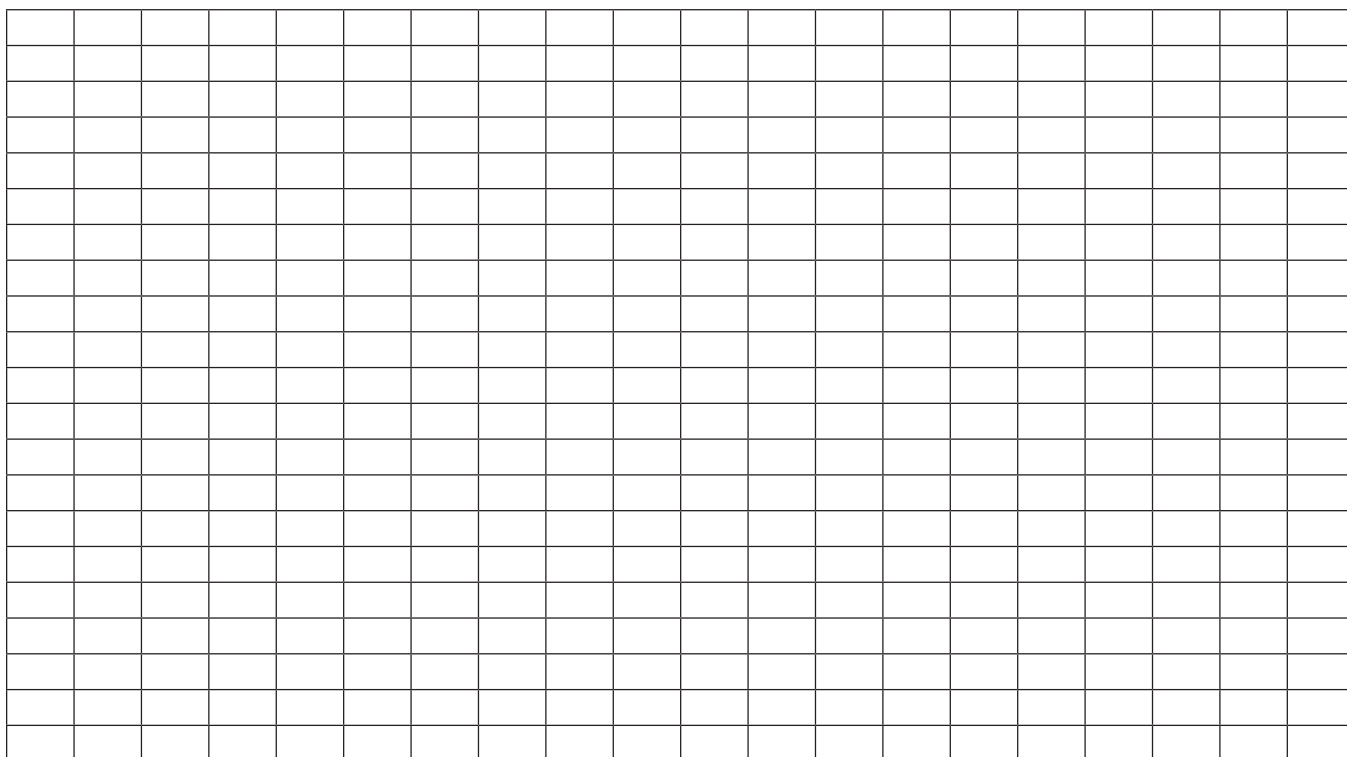
2. What is the protein concentration of the unknown solution in cuvet 6?

3. What is the protein concentration of the unknown solution in cuvet 7?

4. Kidney damage leads to protein in the urine. The amount of protein in the urine is directly related to the severity of kidney damage. Using the information and procedure above, design a lab procedure for determining the amount of protein in a urine sample. Keep in mind that the maximum absorbance may not be 540 nm due to interference created by the other components in a sample of urine.