	Name:
	Section: Date:
	Preliminary Report
	Experiment: Using Internal Standard in HPLC
1.	What is the difference between normal-phase and reversed-phase chromatography.
2.	Why does eluent strength increase in reversed-phase chromatography when a less polar solvent is added?
2	What kind of analytes do you expect to give the best response from a UV-vis detector?
٦.	Does this detector response to all kind of analytes?
4.	In a preliminary experiment, a solution containing 0.0837 M X and 0.0666 M S gave
	peak areas of $A_x = 423$ and $A_s = 347$ (in arbitrary units). To analyze the unknown, 10.0 mL of 0.146 M S were added to 10.0 mL of unknown, and the mixture was diluted to 30.0 mL in a volumetric flask. This mixture gave a chromatogram with peak areas $A_x = 423$
	553 and $A_s = 582$. Find the concentration of X in the unknown?