OTZ - Optical Trapping Signature Sheet

Student's Name	Partner's Name	
Pre-Lab Discussion Questions		
period. This signed sheet must be	s this lab with an instructor before your first day of your scheduled included as the first page of your report. Without it you will lose graded discuss at least the following before you come to lab:	
1. How does an Optical Trap v	ork?	
2. What is a Power Spectrum	Density (PSD) Graph and what can it be used for?	
3. What is meant by sensitivity	and stiffness of an Optical Trap?	
4. What are the safety require:	nents for working with this laser?	
Staff Signature	Date	
Completed before the first day of	lab? (Circle one) Yes / No	
Mid-Lab Discussion Question	5	
beads, turned on the laser, t Trapping program and take	could have successfully created a slide with a dilute solution of 1 micropped a bead, and moved it vertically and horizontally. Start the Option real time data while the bead is trapped. Using the "Alt + Print Screen pectrum Density graph and show it to a GSI.	ica
Staff Signature	Date	
Completed by day 2 of lab? (Circ	e one) Yes / No	

Checkpoint Signatures

1.	Trapping a Single Bead
	Staff Signature
2.	Sensitivity vs Laser Power Plot
	Staff Signature
3.	Sensitivities From Alpha Values
	Staff Signature
4.	Stiffness Values
	Staff Signature
5.	Focus Questions
	Staff Signature
6.	Two Sets of Questions
	Staff Signature