

Scoring Guide for POW 2: Tying the Knots

1. PROBLEM STATEMENT (6 pts)	MAX SCORE	SCORE
a. Restate the story of the POW in your own words	4	
b. Restate the problem in your own words	2	
2. PROCESS (16 pts)		
a. Describe your initial ideas concerning the problem, explain	2	
b. Describe how you worked on the problem, including the experiments you tried	4	
c. Describe how you kept track of your experimental results	2	
d. Provide all diagrams and sketches	2	
e. Describe all materials used and their purpose	2	
f. Describe any problems you had, and how you solved them	2	
g. Describe all assistance provided and how it helped you	2	
3. SOLUTION (8 pts)		
a. State the probability for each possible outcome	4	
b. Describe how you determined the probability of each possible outcome	4	
4. EVALUATION (12 pts)		
a. State the difficulty level of the problem (scale of 1-10), explain	2	
b. Describe your personal reaction/opinion to the problem	2	
c. Identify the best/worst parts of the problem	2	
d. Describe how the problem could have been made better for you	2	
e. Write a one paragraph summary of "what you learned from the problem"	4	
5. SELF-ASSESSMENT (8 pts)		
a. Grade and Justify your work using a self-assessment scoring rubric	4	
b. Write a one paragraph summary that identifies your weakest areas in this POW and describe the problems you had or the reasons you become "stuck" in these areas	4	
TOTAL SCORE	50	

COMMENTS: