AME 21216 – Score Sheet

A12 – Monte Carlo Night!

NDID#:_____

Lab Section (Day/time): _____

For more details on any of the items below, please refer to the lab handout.

Item and Description	Points Awarded	Possible Points
Technical writing – Please address all questions from the lab handout in the captions and paragraphs. Be sure to include the equations for the theoretical distributions.		5
Two measured distributions for dice with theoretical distribution		3
Two measured distributions for 4-row plinko with theoretical distribution		3
Two measured distributions for 10-row plinko with theoretical distribution		3
Class' measured distribution for 1% resistors with theoretical Gaussian distribution		3
Class' measured distribution for 5% resistors with theoretical Gaussian distribution		3
Table containing the theoretical average, measured average, and measured standard deviation for the dice, the Plinko boards, and the resistors.		5
TOTAL		25

Guidelines for Deliverables

- All figures and tables are properly labeled (i.e. Figure 1, Table 1, etc.) with captions.
- All plots should be made in Matlab. Do NOT use excel to make plots.

- Axes on figures must be labeled with units, and plots with multiple data sets must include a legend.
- Note that any curve fit or theoretical curve must be plotted as a *smooth, continuous* line. (i.e. Make a new vector using linspace() for the independent variable.)
- Equations must be numbered, and the variables must be defined (i.e. “where *c* is the speed of sound.”).
- Variables should be written in italics.
- Students, please **print and proofread** the hardcopy of your deliverables before you turn it in. Sometimes, equations and figures do not print correctly!