Halloween BAT LAB – Advanced Physics

- 1) What equation do you need to calculate speed? (Define each variable!)
- 2) What is the path of the flying bat?
- 3) How can you find the distance traveled by the bat in one revolution? Use an equation and define each variable.
- 4) What variables will you need to measure to calculate the speed of the bat?
- 5) Is one measurement for each variable sufficient? (Correct answer is "NO"!)
- 6) How many times will you measure each variable? (Correct answer is "at least three!")
- 7) Construct a data table for the information you need to find the speed of the bat.

8) Show your calculations here.

9) What is the speed of your flying bat? (Don't forget to include units!)