Extra Credit Writing 6 (Deadline Apr 22, 11:59 PM)

This extra credit assignment is worth at most 5 extra credit points.

Prompt. After doing some research on the internet, tell me how carbon dating works.

To show me that you understand, suppose that you found a piece of fabric where the ratio of Carbon 12 to Carbon 14 is given by 3:1. How old is the piece of fabric? Is this worth donating to a museum?

Make sure your answer includes some discussion of exponential functions. What is the half-life of Carbon 14? Why does this allow you to compute k? Why does this allow you to estimate the age of the piece of fabric?

Miscellaneous guidelines. Usual formatting guidelines. Upload on Canvas in PDF format by the above indicated deadline.