

10 Writing Assignment Due Thursday, April 16

Prompt. We have now talked about exponential growth, and “growth” in general for a function. Explore the idea of how a function grows—that is, about studying how $f(x)$ changes when x is large. Remember to treat this like a math diary. Some things you could wonder about are:

1. Does a function that looks like e^x really “grow faster” than a big polynomial like x^{10000} ? How big does x need to be for this to be true?
2. Is this easy to see if you use graphing software?
3. What are examples in life of exponential growth? Are there examples we haven’t seen in class?

Format. See online. Only PDF uploads are accepted on Canvas.