



Question

In each example below, we give an estimate for some quantity. Which one would most likely *not* be a good estimate? (Why?)

- A. Estimate e by $1 + 1 + 1/2 + 1/6$.
- B. Estimate $\sin(2)$ by $2 - 2^3/3! + 2^5/5!$
- C. Estimate $\arctan(2)$ by $2 - 2^3/3 + 2^5/5 - 2^7/7$.
- D. Estimate $\ln(1.5)$ by $0.5 - 0.5^2/2 + 0.5^3/3 - 0.5^4/4 + 0.5^5/5$.