

Integrated Rate Law Graphs

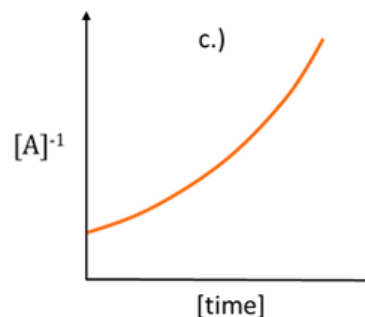
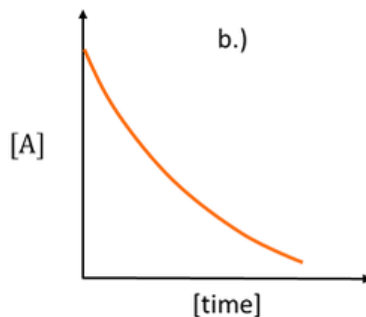
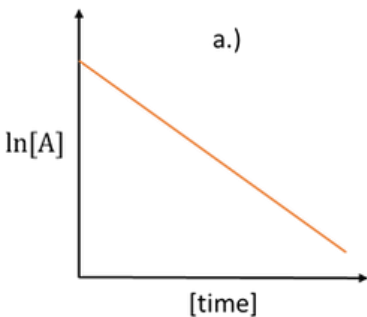
Example One

For a second order reaction, which of the following graphs is linear?

- a. $\ln[A]_t$ vs. t
- b. $1/[A]_t$ vs. t
- c. $\ln[A]_t$ vs. $1/t$
- d. $[A]_t$ vs. t

Example Two

Which of the curves below gives support to an argument that a reaction occurs through first order kinetics?



Example Three

Which of the graphs below represent a reaction with zero order kinetics?

