Reading Outline, §1.4

Vocabulary/Definitions

- $\log_{10}(x)$ and $\ln(x)$
- $\lim_{x \to 0} \log_{10}(x)$
- $\lim_{x \to \infty} \ln(x)$
- Properties of logarithms (all five)

Understand

1. Find x such that $3^{x+7} = 12$.

2. Suppose that the population of a cities is given (in thousands) by $P(t) = 150(1.02)^t$. Find P_0 and k if we rewrite this as $P(t) = P_0 e^{kt}$.