

7.5 Log Applications

1. Solve: $2500 = 1000 e^{.05t}$
18.33 years
2. Solve: $10000 = 5000 e^{r \cdot 18}$
3.8508%
3. Solve: $1 = 131 \cdot 2^{\frac{-t}{8.07}}$
56.76 days
4. Solve: $1 = 3.5 \cdot 2^{\frac{-t}{3.82}}$
6.90 days