1. A deposit is made into an interest-bearing account. The figure below shows the balance, $B$, in the account $t$ years later.

(a) What is the original deposit?

\[ \text{Initial deposit} = \$1000 \]

(b) Estimate $f(10)$ and interpret it.

\[ f(10) \approx 2200 \]

The balance in the account after 10 years is about $2200.

(c) When does the balance reach $5000$?

When $B = 5000$, it appears that $t \approx 20$ years.