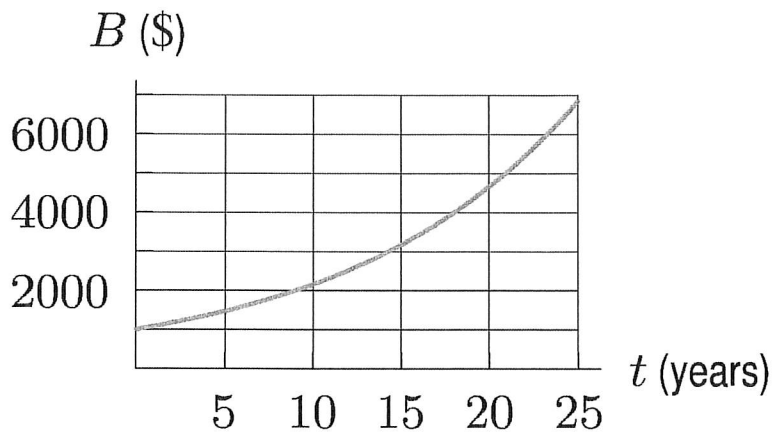


Name: SOLUTIONS

Section 1.1 - In class Example

Math 151 – Spring 2018

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.