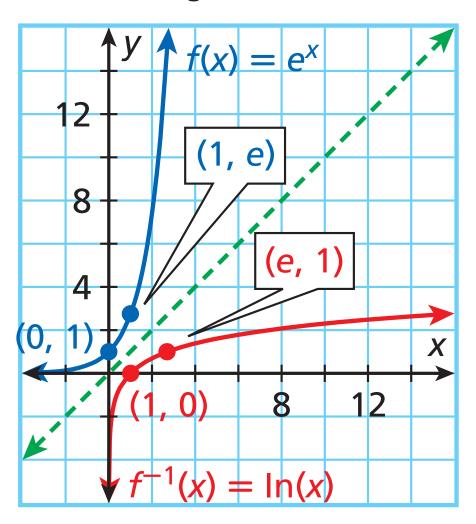


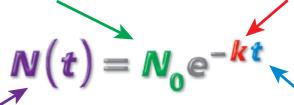
## **Exponential and Logarithmic Functions**

## **Natural Logarithmic Function**



## **Half-Life**

 $N_0$  is the initial amount (at t = 0). k is the decay constant.



N(t) is the amount remaining.

t is the time.