51) 46% to the had decayed
$$\lambda = 5728 \qquad t/5728$$

$$A(t) = A_{0}(\frac{1}{2})$$

$$0.54 = 1 (\frac{1}{2}) t/5720$$

$$\log 0.54 = \frac{t}{5728} \log(\frac{1}{2})$$

$$5728 \log 0.54 = t$$

$$\log(\frac{1}{2})$$

$$5728 \log 0.54 = t$$

$$A(t) = A_{0}e$$

$$\frac{1}{5728} = 1$$

$$\ln(\frac{1}{2}) = 1$$

$$\ln(\frac{1}$$

47

Kt $A(t) = A_0 e_{0.04t}$ $A(t) = A_0 e_{0.04t}$ $A(t) = A_0 e_{0.04t}$ $A(t) = A_0 e_{0.04t}$ $A(t) = A_0 e_{0.04t}$ 1,3 = 0.04t 1,3 = t

4 % antinus,

concavity is the rate of change of function. There yellow segment the curre. this concine up the slopes he increases

Inverses $f(x)=e^{x}$ and g(x)=|n|xand $f(x)=b^{x}$ and g(x)=|n|yand $f(x)=ab^{x} \iff x=ab^{x}$ $f(x)=ab^{x} \iff x=b^{x}$ 109 (x)= y Sine by swapp reflection range of ex y= 105/3/X