

Sigma Ed 2 ex 183

(91)

$$y = a \Gamma^x \quad 30^2$$

$$100 = a 3^1$$

$$\ln(100) = \ln(a) + \ln(3)$$

$$\ln(100) - \ln(3) = \ln(a)$$

$$3.506... = \ln(a)$$

$$a = e^{3.506...}$$

$$= 33\frac{1}{3}$$

$$y = 33\frac{1}{3} \cdot 3^x$$

$$= 33\frac{1}{3} \cdot 3^6$$

72000

(day) + 5 x 6 days  
7