24 
$$y = 1(1.12)^{t}$$

doubling
$$102 = (1.12)^{t}$$

$$102 = 10(1.12)^{t}$$

3.40670/day. 
$$^{9}$$
 continuos

 $A(t) = A_0 (0.96504)^{t}$ 
 $\frac{1}{2}A_0 = A_0 (0.96504)^{t}$ 
 $\frac{1}{2} = 0.96504$ 
 $\frac{1}{1}(0.96504) = t$ 
 $\frac{1}{1}(0.96504) = t$ 

$$P(t) = 5.2 (1.031)$$
 $p(t) = 5.2 (1.031)$ 
 $p(t) = 5.2 e$ 
 $k = 1.031$ 
 $ln(e^{k}) = ln(1.031)$ 
 $ln(e^{k}) = ln(1.031)$