

$$\textcircled{9} \quad C = 5(0.5)^t$$

$$0.7 = 5(0.5)^t$$

$$\textcircled{11} \quad C(t) = C_0 e^{(-r)t}$$

$$= 9^{(-0.0411)t}$$

$$\textcircled{12} \quad C = C_0 e^{(-r)t}$$

$$3 = 10 e^{(-r)10}$$

$$r \approx 0.13$$

$$\textcircled{13} \quad C(t) = C_0 e^{(-r)t}$$

$$0.8 = (11) e^{(-0.09)t}$$

$$0.8 = e^{-0.09t}$$

$$\ln 0.8 = -0.09t$$