

3			$\ln \frac{y}{A} = \ln e^{0.02t}$ or $\ln y = \ln A + \ln e^{0.02t}$ $t = 50 \ln \frac{y}{A}$ oe $t = 21$ or $20.6 - 20.625$	M1 A1 B1 [3]	2.1 1.1 1.1	First stage of taking logs correct, $t = (\ln y - \ln A) / 0.02$ $t = (\text{Log } y - \text{log } A) / 0.02 \log e$ awrt 20.6