1 Rearrange this equation to solve for the time given this model of a decline of a whale population (yearly breeding cycle)?

$$248 = 300 \cdot (1 - 0.09)^{(t)}$$

A	$t = \dfrac{\ln \frac{248}{300}}{\ln (1 - 0.09)}$	B	$t = \dfrac{\ln 248 \cdot 300}{\ln (1 - 0.09)}$
C	$t = \dfrac{\ln \frac{248}{300}}{\ln (1 + 0.09)}$		

2 Rearrange this equation to solve for the time given this model of a decline of a whale population (yearly breeding cycle)?

$$235 = 500 \cdot (1 - 0.09)^{(t)}$$

A	$t = \dfrac{\ln \frac{235}{500}}{\ln (1 - 0.09)}$	B	$t = \dfrac{\ln 235 \cdot 500}{\ln (1 - 0.09)}$
C	$t = \dfrac{\ln \frac{235}{500}}{\ln (1 + 0.09)}$		

3 Rearrange this equation to solve for the time given this model of a decline of a bird population (yearly breeding cycle)?

$$620 = 700 \cdot (1 - 0.02)^{(t)}$$

A	$t = \dfrac{\ln 620 \cdot 700}{\ln (1 - 0.02)}$	B	$t = \dfrac{\ln \frac{620}{700}}{\ln (1 + 0.02)}$
C	$t = \dfrac{\ln \frac{620}{700}}{\ln (1 - 0.02)}$		

4 Rearrange this equation to solve for the time given this model of a decline of a bird population (yearly breeding cycle)?

$$772 = 900 \cdot (1 - 0.03)^{(t)}$$

A	$t = \dfrac{\ln \frac{772}{900}}{\ln (1 + 0.03)}$	B	$t = \dfrac{\ln 772 \cdot 900}{\ln (1 - 0.03)}$
C	$t = \dfrac{\ln \frac{772}{900}}{\ln (1 - 0.03)}$		

5 Rearrange this equation to solve for the time given this model of a decline of a bird population (yearly breeding cycle)?

$$244 = 300 \cdot (1 - 0.05)^{(t)}$$

A	$t = \dfrac{\ln \frac{244}{300}}{\ln (1 - 0.05)}$	B	$t = \dfrac{\ln 244 \cdot 300}{\ln (1 - 0.05)}$
C	$t = \dfrac{\ln \frac{244}{300}}{\ln (1 + 0.05)}$		

6 Rearrange this equation to solve for the time given this model of a decline of a bird population (yearly breeding cycle)?

$$461 = 500 \cdot (1 - 0.02)^{(t)}$$

A	$t = \dfrac{\ln \frac{461}{500}}{\ln (1 - 0.02)}$	B	$t = \dfrac{\ln \frac{461}{500}}{\ln (1 + 0.02)}$

7 Rearrange this equation to solve for the time given this model of a decline of a whale population (yearly breeding cycle)?

$$470 = 500 \cdot (1 - 0.03)^{(t)}$$

A	$t = \dfrac{\ln \frac{470}{500}}{\ln (1 - 0.03)}$	B	$t = \dfrac{\ln \frac{470}{500}}{\ln (1 + 0.03)}$

8 Rearrange this equation to solve for the time given this model of a balance of a charitable endowment (yearly disbursements)?

$$346 = 500 \cdot (1 - 0.04)^{(t)}$$

A	$t = \dfrac{\ln \frac{346}{500}}{\ln (1 - 0.04)}$	B	$t = \dfrac{\ln \frac{346}{500}}{\ln (1 + 0.04)}$
C	$t = \dfrac{\ln 346 \cdot 500}{\ln (1 - 0.04)}$		