Name

1 Solve for the final population given this model of a continuous decline of a whale population?

$$P = 400 \cdot e^{(-0.09 \cdot 6)}$$

A	$P = P_0 - e^{(-r \cdot t)}$	B	$P = P_0 \cdot e^{\left(\frac{-r}{t}\right)}$
C	$P = P_0 \cdot e^{(-r \cdot t)}$		

2 Solve for the final population given this model of a continuous decline of a bird population?

$$P = 800 \cdot e^{(-0.05 \cdot 9)}$$

A	$P = P_0 \cdot e^{(-r \cdot t)}$	B	$P = P_0 \cdot e^{\left(\frac{-r}{t}\right)}$
C	$P = P_0 - e^{(-r \cdot t)}$		

3 Solve for the final concentration given this model of a continuous reduction of a toxin concentration?

$$C = 600 \cdot e^{(-0.05 \cdot 3)}$$

A	$C = C_0 - e^{(-r \cdot t)}$	B	$C = C_0 \cdot e^{\left(\frac{-r}{t}\right)}$
C	$C = C_0 \cdot e^{(-r \cdot t)}$		

4 Solve for the final concentration given this model of a continuous reduction of a toxin concentration?

$$C = 200 \cdot e^{(-0.04 \cdot 5)}$$

A	$C = C_0 \cdot e^{(-r \cdot t)}$	B	$C = C_0 \cdot e^{\left(\frac{-r}{t}\right)}$
C	$C = C_0 - e^{(-r \cdot t)}$		

5 Solve for the final concentration given this model of a continuous decay of a radioactive material?

$$R = 900 \cdot e^{(-0.07 \cdot 5)}$$

A	$R = R_0 \cdot e^{\left(\frac{-r}{t}\right)}$	B	$R = R_0 - e^{(-r \cdot t)}$
C	$R = R_0 \cdot e^{(-r \cdot t)}$		

6 Solve for the final concentration given this model of a continuous decay of a radioactive material?

$$R = 800 \cdot e^{(-0.02 \cdot 5)}$$

A	$R = R_0 \cdot e^{(-r \cdot t)}$	B	$R = R_0 - e^{(-r \cdot t)}$
C	$R = R_0 \cdot e^{\left(\frac{-r}{t}\right)}$		

7 Solve for the final concentration given this model of a continuous decay of a radioactive material?

$$R = 200 \cdot e^{(-0.04 \cdot 9)}$$

A	$R = R_0 \cdot e^{(-r \cdot t)}$	B	$R = R_0 \cdot e^{\left(\frac{-r}{t}\right)}$
C	$R = R_0 - e^{(-r \cdot t)}$		

8 Solve for the final population given this model of a continuous decline of a bird population?

$$P = 800 \cdot e^{(-0.03 \cdot 9)}$$

A	$P = P_0 \cdot e^{\left(\frac{-r}{t}\right)}$	B	$P = P_0 - e^{(-r \cdot t)}$
C	$P = P_0 \cdot e^{(-r \cdot t)}$		