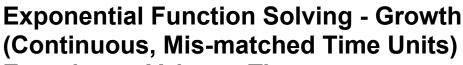
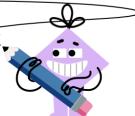


mobius





Solve for the linal population given this moder of a continuous growth of a rabbit population?

$$P = ext{400} \cdot e^{(0.09 \cdot 8 \cdot 4)}$$

Solve for the final cash given this model of a continuously compounding growth of money in a savings account?

$$P = 200 \cdot e^{(0.03 \cdot rac{4}{12})}$$

Α	$P = P_0 - e^{(r \cdot \frac{t}{4})}$	В	$P=P_0\cdot e^{(rac{r}{t\cdot 4})}$	Α	$P = P_0 \cdot e^{(r \cdot \frac{t}{12})}$	В	$P = P_0 - e^{(r \cdot t \cdot 12)}$
С	$P = P_0 \cdot e^{(r \cdot t \cdot 4)}$			С	$P=P_0\cdot e^{\left(rac{r}{rac{t}{12}} ight)}$		

3 Solve for the final cash given this model of a continuously compounding growth of money in a savings account?

P= 300 \cdot $e^{(0.06\cdot 8\cdot 12)}$

Solve for the final views given this model of a continuous exponential growth of social media post views?

$$V=$$
 800 \cdot $e^{(0.07\cdot 5\cdot 7)}$

Α	$P=P_0-e^{(r\cdotrac{t}{12})}$	$oxed{B} \qquad P = P_0 \cdot e^{(rac{r}{t \cdot 12})}$	Α	$V=V_0-e^{(r\cdot\frac{t}{7})}$	В	$V = V_0 \cdot e^{(r \cdot t \cdot 7)}$
С	$P = P_0 \cdot e^{(r \cdot t \cdot 12)}$		С	$V=V_0\cdot e^{(rac{r}{t\cdot 7})}$		

Solve for the final debt given this model of a growth of debt on a credit card with continuous compounding?

Solve for the final price given this model of a continuously compounding growth of a share price?

$$D = {\sf 500} \cdot e^{(0.06 \cdot 2 \cdot 4)}$$

$$S = 700 \cdot e^{(0.02 \cdot 5 \cdot 3)}$$

Α	$D=D_0-e^{(r\cdot\frac{t}{4})}$	В	$D=D_0\cdot e^{(rac{r}{t\cdot 4})}$	Α	$S = S_0 \cdot e^{(r \cdot t \cdot 3)}$	В	$S = S_0 \cdot e^{(rac{r}{t \cdot 3})}$
С	$D = D_0 \cdot e^{(r \cdot t \cdot 4)}$			С	$S = S_0 - e^{(r \cdot \frac{t}{3})}$		

7 8

Solve for the final population given this model of a continuous growth of an insect population?

Solve for the final price given this model of a continuously compounding growth of a share price?

$$P=300\cdot e^{(0.09\cdotrac{2}{7})} egin{array}{c} ext{A}\ P=P_0\cdot e^{(r\cdotrac{t}{7})}\ ext{B}\ P=P_0\cdot e^{(rac{r}{rac{t}{7}})} \end{array}$$

$$S = 800 \cdot e^{(0.07 \cdot rac{9}{4})}$$
 $S = 800 \cdot e^{(0.07 \cdot rac{9}{4})}$ $S = S$