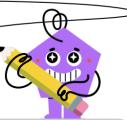


mobius

Exponential Function Solution Equation Decay (Discrete, Mis-matched Time



Rearrange this equation to solve for the rate given this model of a

balance of a charitable endowment (daily disbursements)?

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

$$\left| 265 = 300 \cdot (1-r)^{(2\cdot 365)} \right| 0 = 700 \cdot (1-r)^{(rac{96}{12})}$$

$$0 = 700 \cdot (1-r)^{(\frac{96}{12})}$$

А	$r=-(rac{265}{300})^{rac{1}{2\cdot 365}}-1$	$ B \qquad \qquad r = -(\frac{265}{300})^{\frac{2.365}{2}} - 1 $	Α	$r=+(rac{0}{700})^{rac{1}{96\cdot 12}}+1$	$r = -(rac{0}{700})^{rac{96}{12}} - 1$
С	$r=+(rac{265}{300})^{rac{1}{365}}+1$		С	$r=-(rac{0}{700})^{rac{1}{10}}-1$	

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

Rearrange this equation to solve for the rate given this model of a balance of a charitable endowment (weekly disbursements)?

$$\left| 126 = 800 \cdot (1-r)^{(rac{36}{12})} \right| 126 = 700 \cdot (1-r)^{(rac{42}{7})}$$

$$126 = 700 \cdot (1-r)^{(rac{42}{7})}$$

Α	$r=+(rac{126}{800})^{rac{1}{36\cdot 12}}+1$	$r = -(rac{126}{800})^{rac{1}{35}} - 1$	А	$r=-(rac{126}{700})^{rac{1}{42}}-1$	$B \qquad \qquad r = + (\frac{126}{700})^{\frac{1}{427}} + 1$	
С	$r=-(rac{126}{800})^{rac{36}{22}}-1$		С	$r=-(rac{126}{700})^{rac{42}{7}}-1$		

5 Rearrange this equation to solve for the rate given this model of a decline of a toxin concentration (weekly dialysis)?

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

$$\left|385 = 900 \cdot (1-r)^{(rac{42}{7})} \right| 0 = 300 \cdot (1-r)^{(rac{72}{12})}$$

$$0 = 300 \cdot (1-r)^{(\frac{72}{12})}$$

Α	$r=-(rac{385}{900})^{rac{42}{7}}-1$	B $r = -(\frac{385}{900})^{\frac{1}{47}} - 1$	Α	$r=-(rac{0}{300})^{rac{1}{72}}-1$	В	$r=+(rac{0}{300})^{rac{1}{72\cdot 12}}+1$
С	$r=+(\frac{385}{900})^{\frac{1}{42\cdot 7}}+1$		С	$r=-(rac{0}{300})^{rac{72}{12}}-1$		

7 Rearrange this equation to solve for the rate given this model of a balance of a charitable endowment (daily disbursements)?

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

$$132 = 200 \cdot (1-r)^{(8\cdot7)}$$

$$|132 = 200 \cdot (1-r)^{(8\cdot7)}|89 = 800 \cdot (1-r)^{(\frac{72}{12})}$$

$$r = -(rac{132}{200})^{rac{1}{8\cdot7}} - 1$$
 $r = -(rac{132}{200})^{rac{8\cdot7}{2}} - 1$ $r = -(rac{89}{800})^{rac{7}{12}} - 1$