| pag 182 1a - log 27 = 3 (3 = 27) |
|--|
| |
| 10-log 125=5 (53=125) |
| |
| 1c-log 10000= 4 (104-10000) |
| 11 - 0 m 32 = x 32 2 |
| 1 d. log 32 = x 32 2 (5 - 1 |
| $\left(\frac{1}{2}\right)^{X} = \mathcal{Q}^{S}$ $\left(\frac{1}{2}\right)^{X} = \mathcal{Q}^{S}$ $\left(\frac{1}{2}\right)^{X} = \mathcal{Q}^{S}$ |
| 1/3 |
| $(1)^{\times} = (1)^{5} = \times = -5$ |
| |
| 1e-log 0,01=X |
| 10 × × (10) |
| $\frac{10^{x} = 0.01}{10^{x} = 1} \xrightarrow{10^{2}} \frac{10^{x} = (10)^{-2}}{10^{2}}$ |
| $\frac{10^{-1}}{10^{2}}$ $\chi = -2$ |
| 1f-log 0,5=X |
| |
| $\frac{2^{\times}=0.5}{2^{\times}=12^{1}}$ $\frac{2^{\times}=12^{1}}{2^{\times}=12^{1}}$ |
| 2×=(1) |
| X= -1 |
| 1g-log \(\bar{8} - \chi \) |
| 2×= √8 |
| $9^{\times} = \sqrt{23}$ |
| $\frac{2^{\times} = \sqrt[3]{2^3}}{2^{\times} = 2^{-2}} \times = \sqrt[3]{2}$ |
| $2^{\times} = 2^{\frac{1}{2}} \times = 3/2$ |

| 1 l- log 32 = x - 11-log 16 = x |
|--|
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ |
| 3a-log 64=x 3b-log 126 =3 |
| / X = 1126 |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ |
| 3c-log 625=2 3d-log X=0 |
| $\frac{\chi^2 = 625}{\chi = \pm \sqrt{625}} \qquad \frac{10^\circ = \chi}{\chi = 1}$ |
| |
| pág 182 96- log (71.13h) |
| Log 11- Log 3 - Log 3 - Log 11 + Log 13 + Log 1 - Log 3 |
| Light + 3. light light - light |
| |

| | ^ |
|-----------------------------------|-------------|
| 10 b- log 28 - log 4 = -10d-log 3 | log 3 - 1: |
| | |
| log 28 = log 7 = 1 log 87 | log of |
| 10e-1 log 7 - log 2 | 1 log 3 |
| 3 03 03 1. lag 7 | 3 log at |
| + | |
| log 73 - log 2 3. log 3 | = 3. log 3 |
| log 977 - log 2 log 7 | |
| | |
| lug 3 7 | War ack |
| 116-log 2 = a; log 3=6 -18 | 24/2 - 8 |
| _13 day = w , tag | |
| log 24 = log 2 ³ .3 | 3 3/ |
| | 12.5 |
| log 23 + log 3 | Maria Minus |
| · · | pris 18.2 |
| 3. log 2 + log 3 = 3,0 + b | - 69 |
| 11 d-log 1,5= | |
| 11 d - log 1,5= | |
| log 3 = log 3 - log 2 | |
| 2 2 2 a-b | A CORNER |
| | |

| 13- log (ab²) 14- log 100 |
|--|
| log a b2 - log c log 22,5 50 2 255 |
| logatilogb-loga loga2+logas 1/22.5 |
| 5+2.3-2=9 2.lg2+2lg25 |
| 8.20+2.30=100 |
| 18- log x=4 log x=8 |
| $a^{\pm} = x$ $a = x^{\pm}$ $a = x$ |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| $\frac{3}{\sqrt{11}} = X$ $\frac{3}{38} = X$ $\frac{3}{38} = X$ $\frac{3}{38} = X$ |
| $\frac{x^{2} = x}{3^{3}} = \frac{x^{2} - 3^{8}}{x^{2}} + x^{2-1} = 3^{8} = 3^{8}$ |
| 19-log 5, log 33, log 5 22 = |
| log 5.3. log 3. 1 log 2 |
| log 5 3 log 3 1 1 log 2 |

| log 5, 3 log 3, 1 log 2-11 -6 |
|---|
| 3 2 0 2 4 0 5 |
| 196/5 |
| 12 3 log 3 1 log 2 |
| los 3 2 2 4 12 |
| 02 |
| $\frac{3 \cdot 1}{2} \cdot \frac{3}{4} \cdot \frac{3}{8}$ |
| 2 4 8 |
| |
| 246-leg 0,0002 246-leg 250 |
| 24b - log 0,0002 24f - log 250 log 2 log 5 ² ,10 - 8 ¹ |
| |
| log 2-log 10000 2 log 5 + log 10 0,3-log 10 ⁹ 2,0,70+1 |
| 0,3-4 200 10 1,4+1=2,4 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| |
| 3/2-33- m=C(1+i)" > 15000000 = 800000 .(1+1,2)" |
| 1500000 = 1p M |
| |
| i=12%=0,12 t=?=M log 1,875=log 1,12 ^M |
| T=7=00 100 100 110 |
| J=700000 log 1,875=M.log 1,12 |
| M= 800000 +700000 = 1500000 log 1,875 = M |
| log 1,12 |
| (1875=0,27 0,27 = M |
| log 1,12=0,05 0ps M= 27 amos |
| |
| |

| 35 - M=C. (1+ 2) 1300 = 1000 (1+0,015) -12 |
|---|
| 35 - M=C.(1+;) ^M 1300 = 1000 (1+0,015) ^M -108 C= 1000 1300 = 1,015 M |
| 1000 |
| M-1300 1.3=1,015 M |
| M- 1 1.3 = 1 PA 1,013 |
| log 1,3 = M log 1,015 log 1,3 = M 0,11 = M M= 18,3= 19 meses |
| |
| 1015 0,006 |
| |
| 34- |
| To =30°C TF = 100°C → 7=0 + ΔTo= 100-30=70 |
| TR=65°C + T=5min + AT(5)=65-30=35 |
| TFi=34°C+7t=?+7AT(t)=37-30=7 11) |
| |
| $\Delta T(t) = \Delta To e^{-\alpha \cdot t} = 70 \cdot e^{-\alpha \cdot t} \qquad \log(s_1)^{\frac{1}{2}} \log \frac{1}{10}$ |
| 70. e-d. 5= 35 70. e-d. t = 7 tlass 27 = lag 10-1 |
| 135 0-0.5 7 17 |
| |
| (0-01/2-1 |
| 10 t. (-1) log 2 = -1 log 10 |
| $e^{-d} = 5 \frac{1}{2} \times (5 \frac{1}{2})^{t} = 1 \frac{1}{10} \times \frac{1}{10} \times \frac{1}{10} = 1.1$ |
| 3 |
| t0,3 = -1 +t=s.(-1) |
| t= 17 min |
| t= 1+ min |
| |

| 39- Y=8/(0,08) Q(+)=5 |
|--|
| |
| m 0,1 = 23 50, e-0,08.t = 5 |
| In 0,1==2,3 50.e-0,08.t=5 R-0,08.t=5 +0,1 |
| 50 |
| 0.08t 0 |
| log e ^{-0,08} t=log 0,1 |
| |
| -0,08 t. loge = log 0,1 |
| |
| 0,08t.1= ln0,1 |
| -008t=-2.3 |
| t=-23 -7 t=28,75 anos |
| - 0,08 |
| (1) 2 2202-201/M/ 12 14 120-13T |
| 41- Y=41, +0.04 Q(t)=00.Ex.t |
| 41- y=47,-0,04 Q(t)=20. e7.t Q(t)=20 Q0=20. e0,04,t |
| |
| In 0,3 = 0,7 Q0 = e 0,04.t |
| 200 |
| 1 = e -0,04.t |
| |
| ln 0,5 = ln e-0,04t |
| -0.7=-0,04t lp |
| -0.7 = £.1 |
| -0,04 |
| t=17,5 anos |
| |