16.08.2022 ax2+Bx+c=4 (a+6+c=2 90+3 Bec = 10 £ 250 +58+e=1 $\Rightarrow \begin{vmatrix} 1 & 0 & -\frac{2}{3} \\ 0 & 0 & \frac{16}{6} \\ 0 & 0 & \frac{16}{6} \\ -\frac{73}{3} & \frac{16}{6} \end{vmatrix} \Rightarrow \begin{vmatrix} 1 & 0 & -\frac{20}{9} \\ 0 & 0 & \frac{8}{6} \\ 0 & 0 & 1 \\ -\frac{139}{6} & \frac{8}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{139}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ -\frac{136}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & 0 & 1 \\ \Rightarrow \begin{vmatrix} 1 & p & -2,125 \\ 0 & 1 & 0 & 12,5 \\ 0 & 0 & 1 & -8.375 \end{vmatrix}$ Outen: -7,125x2+12,5x-8375=0 Ombon: 4:-7,12.5 8=12,5 N2 100 x0,89=99m > Boga - 1 m (OCM.). 1 = X 100% Omben: 50m. 2=50m. N3. 1) 2 = 256 2) 2 = 300 x = log_ 200 OD3: (-00; +00) 3) log 8 28x-4 = 4 log 8 2 8x - 4 = log 8 4096 284-4 = 4086

12 = 8x-4

$$x = 2$$

4) $3\log_3(5x-5) = 5$
 $\log_3(5x-5) = \log_3 5$
 $\log_3(5x-5) = \log_3 5$
 $6x-5 = 25$
 $6x-5 = 2$

9) $\log_3 \sqrt{27} = \frac{3}{2}$ 10) $\log_2 12 - \log_2 3 = \log_2 \frac{11}{3} = 2$ 11) $\log_6 12 + \log_6 3 = \log_6 11 \cdot 3 = 2$ 12) $e^{\ln 5} = 5$ 13) $\log_1 125 = \log_7 215 = 2$ 14) $\log_4 32 + \log_4 10 = (\log_2 2 + \log_4 16 - 1 = 7.5)$ 15) $g \log_3 \sqrt{3} = g \frac{\log_3 5}{2} = 3 \log_3 5 = 5$