$$D.z.-2$$

1) Yp-ne napadonu: ax2+bx+c=4

$$7.0: (a+b+c=2) \\ 8a+3b+c=10 \\ 25a+5b+c=1$$

Ucuruspen nesos Parcea!
$$\begin{pmatrix}
1 & 1 & 1 & | & 2 \\
9 & 3 & 7 & | & 70 \\
25 & 5 & 1 & | & 7
\end{pmatrix}
\sim
\begin{pmatrix}
1 & 1 & 3 & 9 & | & 2 \\
1 & 3 & 9 & | & 70 \\
1 & 5 & 25 & | & 7
\end{pmatrix}
\sim
\begin{pmatrix}
1 & 1 & 7 & | & 2 \\
0 & 2 & 8 & | & 8 \\
0 & 9 & 24 & | & -7
\end{pmatrix}$$

T.o:
$$\begin{cases} a = -\frac{77}{8} \\ b = 4-4a \end{cases} \stackrel{(=)}{=} \begin{cases} a = -\frac{77}{8} \\ b = 4+\frac{77}{2} \stackrel{(=)}{=} \end{cases} \begin{cases} a = -\frac{77}{8} \\ b = \frac{25}{2} \\ c = 2-a-b \end{cases}$$

2) Grant march organol oconeses morsosumer: 200 . 122m= = 1 ur.

$$x - \frac{98}{100} \times = 7$$

$$\frac{2}{100} \times = 7$$

$$\left(x = 50\right) \iff 00 \text{ Be} \sigma.$$

3) ①
$$2^{*} = 256$$
 $\times = \log_{2} 256 = 8$

(3)
$$\log_8 2^{8\pi^{-4}} = 4$$

$$\frac{00.3!}{2^{8\pi^{-4}} > 0}$$
(8x-4). $\log_8 2 = 4$

$$(8x-4) \cdot \frac{7}{3} = 4$$

$$8x-4 = 72$$

$$8x = 16$$

× nomes upriminess & quarerne.

$$88 = 16$$

$$[x = 2]$$

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$$log_{3}s = log_{3}(s_{x}-s)$$

$$\frac{\log_3^5}{\log_3^3} = \log_3^5 + \log_3^5 (s-7)$$

$$x \cdot x \log_{3} x = 9$$

$$x \log_{3} x = \frac{9}{x}$$

$$\frac{\log_3 \frac{2}{\kappa}}{\log_3 \kappa} = \log_3 \kappa$$

$$\log_3 \frac{2}{x} = (\log_3 x)^2$$

$$log_3^3 + log_3^2 = (log_3^*)^2$$

$$2 - log_3^* = (log_3^*)^2$$

$$y^{2} + y - 2 = 0$$

$$y_{1,2} = \frac{-7 \pm 3}{2}$$

$$y_{2} = 1$$

$$\log_2 x = 1 \qquad \log_3 x = -2$$

$$x = 3 \qquad x = 3^{-2} = \frac{7}{9}$$

Or Beo:
$$\begin{cases} x_1 = 3 \\ y_2 = 7 \end{cases}$$
$$\begin{cases} x_2 = \frac{2}{9} \\ y_2 = -2 \end{cases}$$

(1)
$$\log_{1} n + \log_{6} 3 = \log_{6} (n.3) = 2$$

(1)
$$\frac{liq_2^{225}}{liq_2^{75}} = leq_{15}^{225} = 2$$

(3)
$$\log_{1}^{32} + \log_{1}^{32} = \log_{1}^{10.2} + (-1) =$$

= $\log_{1}^{16} + \log_{1}^{2} - 1 = 2 + \frac{2}{2} - 7 = \frac{3}{2}$

(1)
$$g \log_2 \sqrt{5}' = 3^2 \cdot \log_2 \sqrt{5}' = 3 \log_2 5 = 5$$