1.) Mapasona
$$y = a x^2 + bx + c$$

$$\begin{cases} 2 = (1)^2 a + (1)b + c \\ 10 = (3)^2 a + (3)b + c \\ 1 = (5)^2 a + (5)b + c \end{cases}$$

$$\begin{cases} a + b + c = 2 \\ 9a + 3b + c = 10 \\ 25a + 5b + c = 1 \end{cases}$$

$$\begin{cases} 2 = 2 - a - b \\ 3a + 3b + c = 10 \end{cases}$$

$$\begin{cases} 2 = 2 - a - b \\ 25a + 5b + c = 1 \end{cases}$$

$$\begin{cases} 2 = 2 - a - b \\ 25a + 5b + c = 1 \end{cases}$$

$$\begin{cases} 2 = 2 - a - b \\ 3a = -17 \end{cases}$$

$$\begin{cases} 2 = 2 - a - b \\ 3a = -17 \end{cases}$$

$$\begin{cases} 2 = 2 + \frac{17}{8} \\ 2 = 2 + \frac{17}{8} \end{cases}$$

$$\begin{cases} 2 = 2 + \frac{17}{8} - \left(\frac{8 + 17}{2}\right) \\ 2 = 2 + \frac{17}{8} - \left(\frac{8 + 17}{2}\right) \end{cases}$$

$$\begin{cases} 2 = -\frac{17}{8} \\ 2 = -\frac{17}{8} \end{cases}$$

$$\begin{cases} 2 = -\frac{17}{8} - \frac{17}{8} - \frac{17}{8} - \frac{17}{8} \end{cases}$$

2)
$$x - bec$$
 ouppyob sq bogue
 $x + 0,99 \cdot (100) = 100$
 $x = 1$
 $y - bec$ obeyout representation of $y = 0,98 + 1 = y$
 $0,02y = 1$
 $y = 50$
 $07bes : 50 m$.
(3) $1.) 2^{x} = 256$
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4)
$$3 \log_3(5x-5) = 5$$
 $003: x > 1$
 $\log_3 3 \log_3(5x-5) = \log_3 5$
 $\log_3 2(5x-5) \cdot \log_3 3 = \log_3 5$
 $\log_3 2(5x-5) = \log_3 5$
 $\log_3 (5x-5) = \log_3 5$
 $\log_3 (5x-5) = \log_3 5$
 $1 \log_3 (5x-5) = \log_3 5$
 $1 \log$

4)
$$log_{3} = 2$$
2) $log_{5} = 2$
2) $log_{5} = 2$
2) $log_{5} = 2$

$$(13)$$
 $\frac{\log_2 225}{\log_2 15} - \log_{15} 225 = 2$

= 2 · log 4 +
$$\frac{1}{2}$$
 · log 2 - log 10 = 2 + $\frac{1}{2}$ - 1= $1\frac{1}{2}$