$$y = \alpha x^{2} + bx + c$$

 $(x_{1}, y_{1}) (x_{2}, y_{2}) (x_{3}, y_{3})$

Q =
$$\frac{y_3 - x_3(y_2 - y_1) + x_2y_1 - x_1y_2}{x_2 - x_1}$$

b =
$$\frac{y_2-y_1}{x_2-x_1}$$
 - $O(x_1+x_2)$

Vpu mouku;

$$0 = \frac{1 - \frac{5(10 - 2) + 3 \cdot 2 - 1 \cdot 10}{3 - 1}}{5(5 - 1 - 3) + 1 \cdot 3} = \frac{1 - \frac{5 \cdot 8 + 6 - 10}{2}}{5 \cdot 1 + 3} = \frac{17}{8}$$

$$b = \frac{10-2}{3-1} + \frac{12}{8}(1+3) = 4 + \frac{12}{2} = \frac{25}{2}$$

$$C = \frac{3 \cdot 2 - 1 \cdot 10}{3 - 1} - \frac{17}{8} \cdot 1 \cdot 3 = -2 - \frac{51}{8} = -\frac{67}{8}$$

$$y = -\frac{17}{8} x^2 + \frac{25}{2} x - \frac{67}{8}$$

Сухой вес не менеста = 1 аг Лусть новый вес менес это у 0,01.100 = 0,02. у 1=0,02 у y=50

3

 $2^{*} = 256$ $\log_{2} 2^{*} = \log_{2} 256$ $(\log_{2} 2) \cdot x = 8$

 $2^{x} = 300$ $\log_{2} 2^{x} = \log_{2} 300$ $(\log_{2} 2) \cdot x = \log_{2} 300 = 8,23$
$$log_4 16 = 2$$

$$log_5 \frac{l}{25} = -2$$

$$log_2 5 5 = \frac{l}{2}$$

$$\log_3 \sqrt{27} = \log_3 \sqrt{3^3} = \log_3(3^3)^{\frac{1}{2}} = \log_3 3^{\frac{3}{2}} = \frac{3}{2}$$

 $\log_2 12 - \log_2 3 = \log_2 \frac{12}{3} = \log_2 4 = 2$