Figure 2. Hamecour ypakreneve napasseen, wheregenyes repet torner (x,y): (1,2), (3,10), (5,1) $\begin{cases} 2 = 9.1^2 + 6.1 \neq c & q = 2 - 6 - c \\ 10 = 9.3^2 + 6.3 + c & 10 = 9.2 - 6 - c.) + 36 + c \\ 1 = 9.5^2 + 6.5 + c & 1 = 25.2 - 6 - c.) + 56 + c \end{cases}$ $\begin{cases} 8 = 66 + 8c & \times (-3) + \\ 49 = 206 + 24c & d = 2.5 \end{cases} \Rightarrow 25 = 26$ $6 = \frac{25}{2}; c = \frac{8 - 6 \times \frac{25}{2}}{8} = -\frac{67}{8}; q = 2 - \frac{25}{8} = -\frac{17}{8}$ $0 = \frac{25}{8}; c = \frac{17}{8} = -\frac{17}{8} = -\frac{17}{8}$

Jagarell 2 (n/10 oryprign)

Cyrae seedea le chencer orypriger cocrab1 set 1 km (neet 1% et odejen beaa)

Noceel gagreenes 1 km cyron seeden cocrabiles
2 % et odejen beaa.

 $\frac{\chi}{100} = \frac{100 - 99}{100 - 98} \qquad \chi = 50$

orleet: oregoyn lecces 50 m.

1)
$$2^{x} = 256$$

 $x = log_{2} 256$
 $x = 8$

2)
$$2^{x} = 300$$

 $x = log_2 300$

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

 $(8x-4) \cdot \log_2 32 = 4$
 $(8x-4) \cdot \frac{1}{3} = 4$

$$\frac{g}{3}\chi = 4 + \frac{4}{3}$$

$$\chi = \frac{16}{3} \times \frac{3}{3}$$

4)
$$3 \log_9(5x-5) = 5$$

 $3 \log_{3^2}(5x-5) = 5$
 $(5x-5)^{\frac{1}{2}} = 5$

$$5x - 5 = 25$$

 $5x = 30$

$$x = 6$$

5)
$$\chi \log_3 x^{+1} = 9$$

 $\log_3 x^{\log_3 x + 1} = \log_3 9$
 $(\log_3 x + 1) \cdot \log_3 x = 2$

$$(log_3X+1)\cdot log_3X = 2$$
 $nye56 log_3X = t$

$$\begin{aligned}
(\pm +1) \cdot t &= 2 \\
t^{2} + t - 2 &= 0 \\
D &= 1^{2} - 4 \cdot 1 \cdot (-2) &= 9 \\
t_{1} &= \frac{1+3}{2 \cdot (-2)} &= -4 \\
t_{2} &= \frac{1-3}{2 \cdot (-2)} &= \frac{1}{2} \\
\log_{3} x &= -1 \\
\log_{3} x &= \frac{1}{2} \\
&= \sqrt{3}
\end{aligned}$$

Zagarelle 4:

g)
$$\log_3 \sqrt{24} = \log_3 3^{\frac{3}{2}} = \frac{3}{2} \log_3 3 = \frac{3}{2}$$

$$lo) log_2 /2 - log_2 3 = log_2 (\frac{12}{3}) = log_2 4 = 2$$

$$(12) e^{\ln 5} = e^{\log 6} = 5$$

$$\frac{\log_2 225}{\log_2 15} = \log_{15} 225 = 2$$

$$(14) \log_4 32 + \log_{0.1} 10 = \log_{2} 22^{\frac{5}{4}} \log_{10^{-1}} 10 = \frac{5}{2} \log_{2} 2 - 1 \cdot \log_{10} \frac{5}{2} - 1 = \frac{3}{2}$$