

1.20
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$$\begin{cases} \log_9 x - \log_3 y = 0 \\ x^2 - 3y^2 - 4 = 0 \end{cases}$$

$x, y > 0$ $\log_9 x = \log_3 y$
 $\frac{1}{2} \log_3 x = \log_3 y$
 $\sqrt{x} = y$

הצבה בריבוע

$$x^2 - 3y^2 - 4 = 0$$

$$y^2 = t$$

$$t^2 - 3t - 4 = 0$$

$$t = 4 \rightarrow y = \pm 2$$

$$t = -1 \rightarrow \emptyset$$

$y > 0$ $y = 2$

$$\begin{cases} y = 2 \\ x = 4 \end{cases}$$