

1) a)

$$\begin{cases} x - \frac{1}{y} = 0 \\ y - \frac{1}{x} = 0 \end{cases}$$
$$x = \frac{1}{y}$$
$$y - \frac{1}{\frac{1}{y}} = 0$$

$$y - y = 0$$

0

$$\begin{cases} x - \frac{1}{y} = 0 \end{cases}$$

$$x = 1 + \frac{1}{y}$$

$$\begin{cases} y - \frac{1}{x} = 2 \end{cases}$$

$$y - \frac{1}{\frac{1}{1} + \frac{1}{y}} = 2$$

$$\frac{y+1}{y} - \frac{1}{y+1} = \frac{2}{1} \quad | y+1$$

$$y^3 + y - 1 - 2y - 2 = 0$$

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

$$D = 1 - 4 \cdot 1 \cdot (-3) = 1 + 12 = \sqrt{13} = 2\sqrt{3}$$

$$y_1 = \frac{1 + 2\sqrt{3}}{2} \approx 1.5$$

$$y_2 = \frac{1 - 2\sqrt{3}}{2}$$

✱

№3

~~$2 + 3 >$~~

2, 3, 7

$2 + 3 > 7$

$2 + 2 > 7$

$2 + 7 > 7$

Бола алмайды.

3, 4, 6

$3 + 4 > 6$

$3 + 6 > 6$

$4 + 6 > 6$

Бола алады

12

$$a) \begin{cases} x : 12 = a & 7 \\ x : 42 = a & 11 \end{cases}$$

$$2) \begin{cases} x : 11 = a & 9 \\ x : 42 = a & 11 \end{cases}$$