

Mk. 28.2.

Rište rovnice, proveďte zkoušku:

① $4 \cdot [y - 3 \cdot (2y - 1)] = 2 \cdot [y - 2 \cdot (3y + 2)] \quad y = 2 \quad (-28)$

② $\frac{3}{4}x - \frac{1}{4} \cdot (x+2)^2 + \frac{2}{3}x = \frac{1}{2} \cdot \left(1\frac{2}{3}x - 4\frac{1}{2}\right) - \frac{1}{4}x \cdot \left(x + \frac{2}{3}\right) \quad x = 5 \quad \left(-\frac{31}{6}\right)$

③ $1 - \frac{5x+1}{6} = \frac{3x-1}{4} - \frac{7x-3}{8} \quad x = 1 \quad (8)$

④ $\frac{3+x}{4} + \frac{3}{x+3} = \frac{2x+3}{8} \quad x = -1 \quad \left(-\frac{19}{8}\right)$

⑤ $x - \left(0,25 - \frac{3}{9}x\right) = 2 + \left(\frac{x}{3} - \frac{x}{12}\right) \quad x = 2 \quad \left(\frac{5}{2}\right)$

⑥ Riš soustavu rovnic:

$x = t$
 $y = 10$

$$\begin{aligned} 6 \cdot \left(x + \frac{y}{10}\right) - \frac{8x+y}{2} &= 1 \\ 4 \cdot \left(\frac{x}{2} + \frac{y}{5}\right) - \frac{7x+2y}{10} &= 6 \end{aligned}$$

⑦ $\frac{2x-3}{3} - \frac{1-x}{2} + (x-2)^2 = x \cdot (x-1) - \frac{7}{6} \quad x = 2 \quad \left(\frac{5}{6}\right)$

⑧ $(x-3)^2 - \frac{2 \cdot (x+1)}{5} = (x-5) \cdot (x+5) + 8 \quad x = 4 \quad (-1)$