

$$\begin{aligned} x + 2 &= 7 \quad | -2 \\ (x + 2 - 2) &= 7 - 2 \\ \underline{x} &= 5 \end{aligned}$$

$$\begin{aligned} x - 7 &= 20 \quad | +7 \\ x - 7 + 7 &= 20 + 7 \\ \underline{x} &= 27 \end{aligned}$$

$$\begin{aligned} 7x &= 49 \quad | :7 \\ 7x : 7 &= 49 : 7 \\ \underline{x} &= 7 \end{aligned}$$

$$\begin{aligned} \frac{x}{3} &= 10 \quad | \cdot 3 \\ \frac{x}{3} \cdot 3 &= 10 \cdot 3 \\ \underline{x} &= 30 \end{aligned}$$

$$\left. \begin{array}{l}
 5 - x = 3 \quad | -5 \\
 8 - x - 5 = 3 - 5 \\
 -x = -2 \quad | \cdot (-1) \\
 \underline{x = 2} \\
 \\
 \frac{x}{0,5} = 2 \quad | \cdot 0,5 \\
 \underline{x = 1}
 \end{array} \right\} \begin{array}{l}
 * \quad \frac{9}{x} = 3 \\
 \underline{x = 3} \\
 \\
 \frac{9}{x} = 3 \quad | \cdot x \\
 9 = 3x \quad | :3 \\
 \underline{x = 3}
 \end{array}$$

$$\textcircled{2} y + 1 = 35 \quad / -1$$

$$2y = 34 \quad / :2 \leftarrow \begin{array}{l} \text{na obou stranach} \\ \text{rovnice} \end{array}$$
$$\underline{\cancel{2y}} \quad \underline{\cancel{2}} = \underline{\cancel{34}} \quad \underline{\cancel{2}}$$
$$\underline{\underline{y = 17}}$$

$$\underline{\underline{10 + 2x = x + 45}} \quad \left| \begin{array}{l} -x \\ -10 \end{array} \right. \quad \begin{array}{l} \text{jedna str. rovnice - "leva"} \\ \text{druha - cista} \end{array}$$
$$2x - x = 45 - 10$$
$$\underline{\underline{x = 35}}$$

- neznáme'

$$\begin{aligned}
 -8x &= 6 && | : (-8) \\
 (-8x &= -6 && | : 8) \\
 x &= -\frac{6}{8} \\
 x &= -\frac{3}{4}
 \end{aligned}$$

$$\begin{array}{ll}
 L & P \\
 3z - 1 & = z + 5 & | +1; -z \\
 3z - z & = 5 + 1 \\
 2z & = 6 & | : 2 \\
 \underline{2z} & = \underline{6} & \\
 z & = 3 &
 \end{array}$$

$3z - 1 = z + 5$
 $3z = z + 5$
 $3z - z = 6$

$$\begin{aligned}
 -2 + 4a &= 9 - a && | +2; +a \\
 4a + a &= 9 + 2 \\
 5a &= 11 && | : 5 \\
 a &= \frac{11}{5}
 \end{aligned}$$

$$-5 - y = 7 - 2y$$

$$x + 10 = 14 \quad | -10$$
$$\underline{x = 4}$$

$$x - 4 = -2 \quad | +4$$
$$\underline{x = 2}$$

$$6x = -12 \quad | :6$$
$$\underline{x = -2}$$

$$\frac{x}{5} = 4 \quad | \cdot 5$$
$$\underline{x = 20}$$

$$8 + x = 0 \quad | -8$$
$$\underline{x = -8}$$

$$-3 + x = 3 \quad | +3$$
$$\underline{x = 6}$$

$$x + 8 = 0$$

$$x - 12 = 5$$

$$x = -8$$

$$x = 17$$

$$7x = 63$$

$$10 + x = 3$$

$$x = 9$$

$$x = -7$$

$$x - 1 = -5$$

$$\frac{x}{6} = 2$$

$$x = -4$$

$$x = 12$$

$$6x + 1 = 7 - 3x \quad | -1 \text{ upravit}$$

$$6x = 7 - 3x - 1 \quad | +3x \text{ L - neznámé, cisla}$$

$$6x + 3x = 7 - 1$$

$$9x = 6 \quad | : 9$$

$$x = \frac{6}{9}$$

$$\underline{x = \frac{2}{3}}$$

$$6x + 1 = 7 - 3x \quad | -1; +3x$$

$$6x + 3x = 7 - 1$$

$$9x = 6$$

$$\begin{array}{rcl} \underline{8x + 4 - x = 74 - 7} & & \text{-upravit } L \leftrightarrow P \\ \underline{7x + 4} = 67 & | -4 \\ 7x = 63 & | :7 \\ \underline{\underline{x = 9}} & & \end{array}$$

Zd: $L = 8 \cdot 9 + 4 - 9 = 72 - 5 = 67$
 $P = 74 - 7 = 67 \quad \underline{L = P}$

$$\begin{aligned}9x - 1 &= 4x + 4 && |+1, -4x \\9x - 4x &= 4 + 1 \\5x &= 5 && |:5 \\x &= \underline{\underline{1}}\end{aligned}$$

$$2y + 1 = y - 2 \quad | -y, -1$$

$$\underline{\underline{y = -3}} \quad \begin{matrix} \leftarrow \\ 2y - y + 1 - 1 = y - y - 2 - 1 \end{matrix}$$

$$2y - y = -2 - 1$$

$$3y = 87$$

$$y = 29$$

$$x + 23 = 42$$

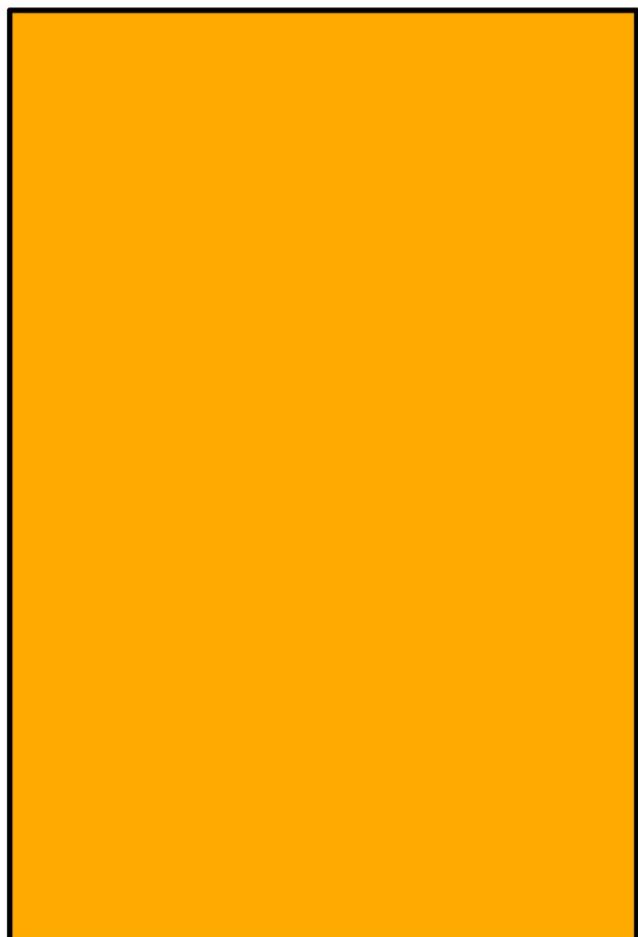
$$x = 19$$

$$z - 10 = 10$$

$$z = 20$$

$$\frac{v}{3} = 2,2$$

$$v = 6,6$$



$$\begin{aligned}4 + 6z &= 12 + 5z \quad /-4; -5z \\6z - 5z &= 12 - 4 \\z &= 8\end{aligned}$$

$$13a - 5 = 11a + 3$$

$$a = 4$$

$$\begin{aligned}5x - 13 &= 2 + 2x \\x &= 5\end{aligned}$$

$$3 - 2b = 2b + 23$$

$$b = -5$$

$$\begin{aligned}-3x + 29 &= -9x - 19 \\x &= -8\end{aligned}$$

$$5m - 1 = 4m + 5$$

$$m = 6$$

$$4 + 6z = 12 + 5z$$
$$z = -8$$

$$13a - 5 = 11a + 3$$
$$a = 4$$

$$-7y = 7$$
$$y = -1$$

$$3 - 2b = 2b + 23$$
$$b = -5$$

$$3x - 10x - 2 = 3x + 98$$
$$x = -10$$

$$16 - 5x = -23 - 18x$$
$$x = -3$$

$$5x - 13 = 2 + 2x$$
$$x = 5$$

$$5m - 1 = 4m + 5$$
$$m = 6$$

$$-3x + 29 = -9x - 19$$
$$x = -8$$

$$6x - 5x + 1 = 3$$
$$x = 2$$

$$\begin{array}{l}
 30 - 5x = 4x + 12 \quad | -30, -4x \\
 -5x - 4x = 12 - 30 \\
 +9x = +18 \quad | :9 \\
 \underline{x = 2}
 \end{array}
 \left. \begin{array}{l}
 23y + 17 = 8y + 2 \quad | -17; \\
 23y - 8y = 2 - 17 \quad | -8y \\
 15y = -15 \quad | :15 \\
 \underline{\underline{y = -1}}
 \end{array} \right\}$$

$$4 + 6z = 12 + 5z \quad | -4, -5z$$

$$3x = 15 \\ \underline{x = 5}$$

$$13a - 5 = 11a + 3 \quad | +5, -11a$$

$$2a = 8 \quad | :2$$

$$a = 4$$

$$30 - 5x = 4x + 12 \quad | -30, -4x$$

$$-9x = -18 \quad | :9$$

$$-x = -2$$

$$\underline{x = 2}$$

$$16y - 12 = 37 + 2y \quad | +12$$

$$16y = 37 + 2y + 12 \quad | -2y$$

$$16y - 2y = 37 + 12$$

$$14y = 49 \quad | :14$$

$$y = \frac{49}{14}$$

$$\cancel{y} = \frac{49}{14}$$

$$\cancel{y} = \underline{\underline{3,5}}$$

$$\underline{x} - 7 + \underline{8x} = \underline{9x} - 3 - \underline{4x}$$

$$9x - 7 = 5x - 3 \quad | +7$$

$$9x = 5x - 3 + 7 \quad | -5x$$

$$9x - 5x = -3 + 7$$

$$4x = 4 \quad | :4$$

$$\underline{\underline{x}} = 1$$

$$12a - 5 = 11a + 3$$

$$3 - 2b = 2b + 19$$

$$5m - 1 = 3m + 5$$

$$6x - 5x + 1 = 3$$