

Zad. 1.

$$4x = -3 + 3x$$

$$4x - 3x = 3$$

$$x = 1$$

Zad. 2.

$$\underline{8x} - 14 - \underline{26x} + 6 = \underline{7x} - 9 - \underline{11x} - 27$$

$$8x - 26x - 7x + 11x = -9 - 27 + 14 - 6$$

$$-14x = 28$$

$$x = 28 : (-14)$$

$$x = -2$$

Zad. 3.

$$6(x-2) - 4(x-3) = 9(3x-1) + 5(x-2)$$

$$\underline{6x} - 12 - \underline{4x} + 12 = \underline{27x} + 9 + \underline{5x} - 10$$

$$6x - 4x - 27x - 5x = 9 - 10 + 12 - 12$$

$$-30x = -1$$

$$x = -1 : (-30)$$

$$x = \frac{1}{30}$$

Zad. 4.

$$\frac{x}{2} + \frac{x}{3} = \frac{1}{4} + \frac{1}{2} \quad | \cdot 12$$

$$\overset{6}{\cancel{12}} \cdot \frac{x}{\cancel{2}_1} + \overset{4}{\cancel{12}} \cdot \frac{x}{\cancel{3}_1} = \overset{3}{\cancel{12}} \cdot \frac{1}{\cancel{4}_1} + \overset{6}{\cancel{12}} \cdot \frac{1}{\cancel{2}_1}$$

$$6x + 4x = 3 + 6$$

$$10x = 9$$

$$x = \frac{10}{9}$$

Zad. 5.

$$\frac{2x-1}{3} - \frac{x-5}{2} = \frac{-1}{6} \quad | \cdot 6$$

$$\overset{2}{\cancel{6}} \cdot \frac{2x-1}{\cancel{3}_1} - \overset{3}{\cancel{6}} \cdot \frac{x-5}{\cancel{2}_1} = \overset{1}{\cancel{6}} \cdot \frac{-1}{\cancel{6}_1}$$

$$2 \cdot (2x-1) - 3 \cdot (x-5) = 1 \cdot (-1)$$

$$4x - 2 - 3x - 15 = -1$$

$$4x - 3x = -1 + 2 + 15$$

$$x = 16$$