

Raport

$$1^o) a) 8x - 2 \rightarrow 3x + 5x + 2 - 4$$

$$b) -2y + 2$$

$$c) -5z + 2x - 6 + 3z + 12x + 6 = -2z + 14x$$

$$d) 2a - 5b + 3c + 6a + 2ab - 3c = 8a - 5b + 2ab$$

$$e) -2a + 4b + 6ab - 4b - 8a + 8ab = -10a + 14ab$$

$$f) \frac{(x-2)}{2} - (2-x) = \frac{-2+x}{2} - 2+x = \frac{-2+x-4+2x}{2} = \frac{-6+3x}{2}$$

$$g) \frac{4x-2+8-4x}{3} = \frac{6}{3} = 2$$

$$A) \frac{x+2y-4}{2} + \frac{3y-x+9}{6} = \frac{6x+12y-24+6y-2x+18}{12}$$

$$\rightarrow \frac{4x+18y-6}{12}$$

$$\rightarrow \frac{2x+9y-3}{6}$$

$$i) \frac{a-3ab+2b}{2} - \frac{a+3b-ab}{3} = \frac{3a-9ab+6b-2a+6b+2ab}{6}$$

$$\rightarrow \frac{a-11ab+12b}{6}$$

$$b) y = 20$$

c) $y = -20$

d) $2x = 25 - 3 \rightarrow x = 11$

e) $-3x = -9 \rightarrow x = 3$

$$f) \frac{3x}{5} = -\frac{9}{9} \quad \cdot 27x = -20 \quad \cdot x = -\frac{20}{27}$$

g) $\frac{2x-2}{3} = \frac{1}{6} \rightarrow 3 = 18x - 12 \rightarrow 15 = 18x \rightarrow x = \frac{15}{18}$

$$R) \frac{-10 + 0}{2} = 2 \rightarrow -10 + a = 4 \rightarrow a = 14$$

i) $a - 5 = 9 \rightarrow a = 9$

g) $3x - 12 + 8 = 5 \rightarrow 3x - 4 = 5 \rightarrow 3x = 9 \rightarrow x = 3$

30) ~~$X + \frac{3X}{9} = \frac{X}{2} \rightarrow 9X + 3X = X \rightarrow 8X + 6X = 9X$~~

$$a) \frac{x+3}{9} = \frac{1}{2} \rightarrow \frac{9x+3}{9} = \frac{1}{2} \rightarrow 8x+6=9 \rightarrow 8x=3 \rightarrow x=\frac{3}{8}$$

c) $\frac{2}{3} \cdot x = \frac{5}{4} \rightarrow \frac{2x}{3} = \frac{5}{4} \rightarrow 8x = 15 \rightarrow x = \frac{15}{8}$

$$c) \frac{x}{2} + 5 = 8 \rightarrow \frac{10+x}{2} = 8 \rightarrow x = 6$$

$$d) 2x + 3x = 125 \rightarrow 5x = 125 \rightarrow x = 25$$

$$e) x + \frac{x}{4} = 15 \rightarrow \frac{5x}{4} = 15 \rightarrow 5x = 60 \rightarrow x = 12$$

$$f) \frac{x}{2} + \frac{x}{3} = 30 \rightarrow \frac{3x+2x}{6} = 30 \rightarrow \frac{5x}{6} = 30 \rightarrow x = 36$$

$$g) x + y + z = 66$$

$$x + (x+1) + (x+2) = 66$$

$$3x + 3 = 66$$

$$x = 31$$

$$y = 32$$

$$z = 33$$