

552. a) $+x+y=-6$ $\left[\cdot (-1) \right]$

$$+x-2y=1$$

$$\begin{array}{r} -x-y=+6 \\ +x-2y=1 \end{array} \left[\begin{array}{l} + \\ + \end{array} \right]$$

$$0-3y=6+1$$

$$+x-2y=1$$

$$-3y=7 \longrightarrow y = -\frac{7}{3}$$

$$x-2y=1$$

$$x - 2 \cdot \left(-\frac{7}{3} \right) = 1$$

$$x + \frac{14}{3} = 1$$

$$x = 1 - \frac{14}{3} = -\frac{11}{3}$$

$$(x, y) = \left(-\frac{11}{3}, -\frac{7}{3} \right)$$

553.b) $6s+5t=-7$ $\cdot(-2)$

$4s+3t=-4$ $\cdot 3$

$-12s-10t=14$

$+12s+9t=-12$ $\left. \vphantom{+12s+9t=-12} \right\} +$

$-10t+9t=14-12$

$12s+9t=-12$

$-t=2$

$12s+9t=-12$

$t = -2$

$12s+9 \cdot (-2) = -12$

$12s-18 = -12$

$12s = -12 + 18$

$12s = 6$

$s = \frac{6}{12} = \frac{1}{2}$

решење

$(s, t) = \left(\frac{1}{2}, -2 \right)$

$$552.v) \quad 2x+4y=-1 \quad | \cdot (-3)$$

$$+6x+7y=2$$

$$\hline -6x-12y=3$$

$$+6x+7y=2$$

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$$\hline -12y+7y=3+2$$

$$+6x+7y=2$$

$$\hline -5y=5$$

$$+6x+7y=2$$

$$\hline y=-1$$

$$6x+7 \cdot (-1)=2$$

$$y=-1$$

$$6x-7=2$$

$$y=-1$$

$$6x=9$$

$$y=-1$$

$$x = \frac{9}{6} = \frac{3}{2}$$

$$(x, y) = \left(\frac{3}{2}, -1 \right)$$

553.d) $0,2x+0,5y=2$ $\left[\cdot 10 \right]$
 $3x-2y=-46$

$$-3x-7,5y=-30$$

$$3x-2y=-46$$

$$-9,5y=-76$$

$$3x-2y=-46$$

$$y=8$$

$$3x-2 \cdot 8=-46$$

$$y=8$$

$$3x-16=-46$$

$$y=8$$

$$3x=-46+16$$

$$y=8$$

$$3x=-30$$

$$y=8$$

$$x=-10$$

$$(x,y)=(-10,8)$$