Vyřešte soustavy rovnic:

$a + 5b = 7 \quad / \cdot 3$

$3a - 2b = 4$

$3a + 15b = 21$

$3a - 2b = 4$

$17b = 17$

$b = 1$

$a + 5 \cdot 1 = 7$

$a = 2$

$c + 2d = 11 \quad / \cdot -5$

$5c - 3d = 3$

$-5c - 10d = -55$

$5c - 3d = 3$

$-13d = -52$

$d = 4$

$c + 2 \cdot 4 = 11$

$c = 3$

$2e + 3f = 8 \quad / \cdot 3$

$3e + 2f = 7 \quad / \cdot 2$

$6e + 9f = 24$

$6e + 4f = 14$

$5f = 10$

$f = 2$

$2e + 3 \cdot 2 = 8$

$e = 1$

$4(g+2)=1-5h$

$3(h+2)=3-2g$

$4g+8-1+5h=0$

$3h+6-3+2g=0$

$4g+5h+7=0$

$2g+3h+3=0 \quad / \cdot 2$

$4g+5h+7=0$

$4g+6h+6=0$

$-h+1=0$

$h=1$

$4(g+2)=1-5$

$4g+8=-4$

$g=-3$

$2(j+k)-3(j-k)=4$

$5(j-k)-7(j-k)=2$

$2j+2k-3j+3k=4$

$5j-5k-7j+7k=2$

$5k-j=4 \quad / \cdot 2$

$2k-2j=2$

$10k-2j=8$

$2k-2j=2$

$8k=6$

$k=0{,}75$

$2(j+0{,}75)-3(j-0{,}75)=4$

$2j+1{,}5-3j+2{,}25=4$

$-j+3{,}75=4$

$j=-0{,}25$

$\frac{m-3}{2} - \frac{n-4}{4} = 1$

$\frac{2m-5}{3} - \frac{2n-7}{9} = 2$

$2(m-3) - (n-4) = 4$

$3(2m-5) - (2n-7) = 18$

$2m - n = 6$

$6m - 2n = 26$

$2m = 14$

$m = 7$

$n = 8$

$p + 3{,}5 = \frac{1}{2}r$

$\frac{p+3}{2} - r = 5$

$2p + 7 = r$

$p + 3 - 2r = 10$

$2p - r = -7$

$p - 2r = 7$

$3p = -21$

$p = -7$

$r = -7$