**1)      Řešte soustavy rovnic a správnost řešení ověřte zkouškou:**

\displaystyle a)\quad \underline{\begin{array}{l}4x-y=2\\2x+y=4\end{array}}\displaystyle b)\quad \underline{\begin{aligned}r+2s &=-1\\3r-2s&=-11\end{aligned}}\displaystyle c)\quad \underline{\begin{aligned}a+2b&=3\\-a-3b&=-2\end{aligned}}\displaystyle d)\quad \underline{\begin{aligned}3p-2r&=-1\\p+2r&=-3\end{aligned}}

**2)      Řešte soustavy rovnic a proveďte zkoušky:**

\displaystyle a)\quad \underline{\begin{aligned}2u+5v&=0\\u-v&=7\end{aligned}}\displaystyle b)\quad \underline{\begin{aligned}-4x-3y&=4\\2x+5y&=12\end{aligned}}c)\quad \underline{\begin{aligned}6x-5y&=5\\x+y&=-1\end{aligned}}d)\quad \underline{\begin{aligned}4x-y&=-3\\-12+3y&=9\end{aligned}}

**3)      Řešte** **soustavy rovnic a proveďte zkoušky:**

\displaystyle a)\quad \underline{\begin{aligned}3x-2y&=2\\2x+5y&=14\end{aligned}}\displaystyle b)\quad \underline{\begin{aligned}2x+3y&=11\\3x-4y&=25\end{aligned}}\displaystyle c)\quad \underline{\begin{aligned}4c+5d&=-8\\3c-4d&=25\end{aligned}}\displaystyle d)\quad \underline{\begin{aligned}2x-3y&=5\\-5x+8y&=-14\end{aligned}}

\displaystyle e)\quad \underline{\begin{aligned}6x-2y&=-6\\9x+7y&=31\end{aligned}}\displaystyle f)\quad \underline{\begin{aligned}10m+4n&=6\\15m-6n&=15\end{aligned}}\displaystyle g)\quad \underline{\begin{aligned}u-4v&=7\\9v-2u&=-15\end{aligned}}\displaystyle h)\quad \underline{\begin{aligned}16a-12b&=-4\\8a+18b&=18\end{aligned}}

**4)      Řešte v**\Large \mathbb{R}**soustavy rovnic a proveďte zkoušky:**

\displaystyle a)\quad \underline{\begin{aligned}3x+9y&=5\\\frac{x}{3}-\frac{y}{2}&=-\frac{4}{9}\end{aligned}}\displaystyle b)\quad \underline{\begin{aligned}4x-3y&=8\\\frac{x}{5}+\frac{y}{15}&=-\frac{1}{30}\end{aligned}}

**6)      Řešte v**\Large \mathbb{R}**soustavy rovnic a proveďte zkoušky:**

\displaystyle a)\quad \underline{\begin{aligned}0,6x+0,8y&=3,6\\0,9x-0,5y&=0,3\end{aligned}}\displaystyle b)\quad \underline{\begin{aligned}0,8x+0,5y&=0,4\\0,1x-0,3y&=-1,4\end{aligned}}\displaystyle c)\quad \underline{\begin{aligned}0,6x+1,5y&=3,6\\\frac{1}{5}x+\frac{1}{2}y&=1\end{aligned}}\displaystyle d)\quad \underline{\begin{aligned}0,4x+0,5y&=1,5\\\frac{1}{5}x+\frac{1}{4}y&=\frac{3}{4}\end{aligned}}