**LINEÁRNE NEROVNICE A ICH SÚSTAVY**

1. Riešte v R :
2. $\frac{6x-5}{4x+1}\leq 0$ $\left[\left(-\frac{1}{4};\right.\left.\frac{5}{6}\right〉\right]$
3. $\frac{4x-7}{2-x}\leq 3$ $\left[\left(-\infty ;\right.\left.\frac{13}{7}\right〉∪\left(2;\right.\left.\infty \right)\right]$
4. $x-2+\frac{1}{x-2}\geq -2$ $\left[\left\{1\right\}∪\left(2;\infty \right)\right]$
5. $\frac{x}{x-2}-\frac{3}{x+1}\leq 1$ $\left[\left(-1;2\right)∪\left〈8;\right.\left.\infty \right)\right]$
6. Riešte v $Z\_{0}^{-}$ :
7. $\frac{x-1}{x+3}>2$ $\left[\left\{-6;-5;-4\right\}\right]$
8. $\frac{x}{x-1}+\frac{3x}{x+2}<4$ $\left[\left\{-1;0\right\}\right]$
9. Riešte v R :
10. $\sqrt{2x-1}<x-2$ $\left[\left(5;\infty \right)\right]$
11. $\sqrt{x+2}\leq 1+\frac{x}{2}$ $\left[\left\{-2\right\}∪\left〈2;\right.\left.\infty \right)\right]$

1. Rieš sústavu : $-1<\frac{x+2}{3-2x}\leq 3$ $\left[\left(-\infty ;\right.\left.1\right〉∪\left(5;\right.\left.\infty \right)\right]$
2. Určte, pre ktoré$ m$, je exponenciálna funkcia$ y=\left(\frac{m}{m+1}\right)^{x}$klesajúca. $\left[\left(0;\infty \right)\right]$
3. Zbierka úloh : 18/44, 45, 50