 SISTEMI DI DISEQUAZIONI

53 $\begin{cases} 1-x \le 0 \\ 2x-3>0 \end{cases}$ $S = \left] \frac{3}{2} ; +\infty \right[$

54 $\begin{cases} 3x+9 \ge 0 \\ 5x+10<0 \end{cases}$ $S = [-3 ; -2[$

55 $\begin{cases} x+\frac{1}{5} < \frac{2}{3}x \\ \frac{3}{4}x+\frac{1}{2} \ge 1 \end{cases}$ $S = \varnothing$

56 $\begin{cases} 2x \le \frac{3}{2}x+1 \\ \frac{3\cdot(1+x)}{2}-x \ge \frac{5}{2} \end{cases}$ $S = \{2\}$

57 $\begin{cases} \frac{1-3x}{10}+x>-2 \\ \frac{x-1}{2} < \frac{2}{3}\cdot(x+2)-2 \end{cases}$ $S =]1 ; +\infty[$

58 $\begin{cases} \frac{x-2}{2}-\frac{2\cdot(x-1)}{3} < -\frac{1}{12}\cdot(x+9) \\ \frac{2x-1}{3}+3>\frac{x+4}{2} \end{cases}$ $S =]5 ; +\infty[$

59 $\begin{cases} \frac{1}{2}\cdot(3-x)+x \ge \frac{1}{3}\cdot(1+2x) \\ \frac{1}{6}\cdot(x-1)-\frac{1}{2}\cdot(x-1) \le \frac{2}{3} \end{cases}$ $S =]-1 ; 7]$

60 $\begin{cases} 2\cdot(x-1)-3x<6\cdot(2-x) \\ 4x-2\cdot(x-3)<3 \end{cases}$ $S = \left] -\infty ; -\frac{3}{2} \right[$

61 $\begin{cases} (x-3)\cdot(x+2)<(x+2)^2-15 \\ 2\cdot(1+x)+1>5+4\cdot(1-x)+4x \end{cases}$ $S =]3 ; +\infty[$

62 $\begin{cases} \frac{(1-2x)^2}{4} \le (x+3)\cdot(x-2) \\ \frac{x+1}{3}+2<x-\frac{x-3}{2} \end{cases}$ $S =]5 ; +\infty[$