

**Esercitazione sulle disequazioni di primo grado
con due moduli e moduli annidati**

- | | |
|--|--|
| a) $\left 2 - \left x - \frac{1}{2} \right \right - 2x > 1$ | $S : x < \frac{1}{2}$ |
| b) $2x - \left 3 - \frac{1}{2} x - 1 \right - 4 \leq 0$ | $S : x \leq 3$ |
| c) $\frac{1}{2} x - 6x - 1 > \frac{1}{3}$ | $S : \left(x < \frac{1}{21} \right) \vee \left(x > \frac{1}{3} \right)$ |
| d) $ 2x + x - 1 \leq 2$ | $S : (-3 \leq x < -1) \vee (x = 1)$ |
| e) $2 x + 2 - x < x$ | $S = \emptyset$ |
| f) $\frac{x - 2x - 1 }{3} \leq x - 1 $ | $S : \forall x \in \mathbb{R}$ |
| g) $2 x - \left \frac{1}{2}x - 3 \right > 12$ | $S : (x < -10) \vee (x > 6)$ |
| h) $\left -x + 2 \left \frac{x}{2} + 2 \right \right \geq 4$ | $S : \forall x \in \mathbb{R}$ |
| i) $\frac{x}{2} - \left x + \frac{1}{2} \right < 2x - \frac{3}{4}$ | $S : \left(x < -\frac{1}{6} \right) \vee \left(x > \frac{1}{10} \right)$ |
| j) $ 4 - x - 4 > 4$ | $S : (x < -4) \vee (x > 12)$ |