

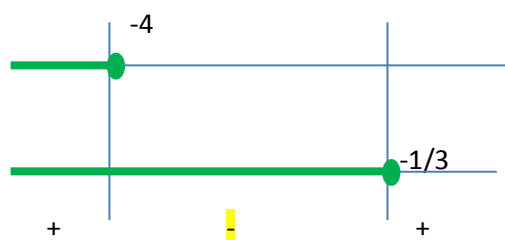
$$1) 3x^2 + 13x + 4 \leq 0$$

$$\Delta = 169 - 4(3)(4) = 121$$

$$x_{1,2} = \frac{-13 \pm 11}{6} =$$

$$x_1 = (-13 - 11):6 = -4 \quad x \leq -4$$

$$x_2 = (-13 + 11):6 = -\frac{1}{3} \quad x \leq -\frac{1}{3}$$



Soluzione: $-4 \leq x \leq -\frac{1}{3}$

ATTENZIONE!!!! QUANDO LA a E' NEGATIVA DEVO CAMBIARE IL VERSO E I SEGNI DI TUTTA LA DISEQUAZIONE

$$2) -x^2 + x + 12 < 0$$

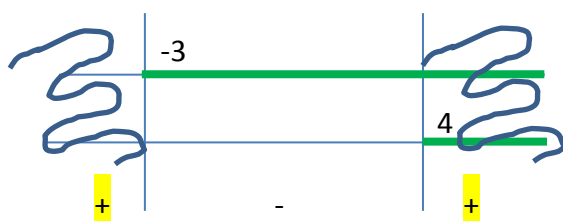
$$x^2 - x - 12 > 0$$

$$\Delta = 1 - 4(1)(-12) = 49$$

$$x_{1,2} = \frac{1 \pm 7}{2} =$$

$$x_1 > 4$$

$$x_2 > -3$$



s: $x < -3$ E $x > 4$

