x < - \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\)

$$282 \quad (2x^2 - 4)(3x + 1) < 0 \quad \left[x < -\sqrt{2} \lor -\frac{1}{3} < x < \sqrt{2} \right]$$

$$N_4 > 0$$
 $2 \times^2 - 4 > 0$ $2(\times^2 - 2) > 0$ $\times^2 - 2 = 0$

$$\times^2 = 2 \times = \pm \sqrt{2}$$

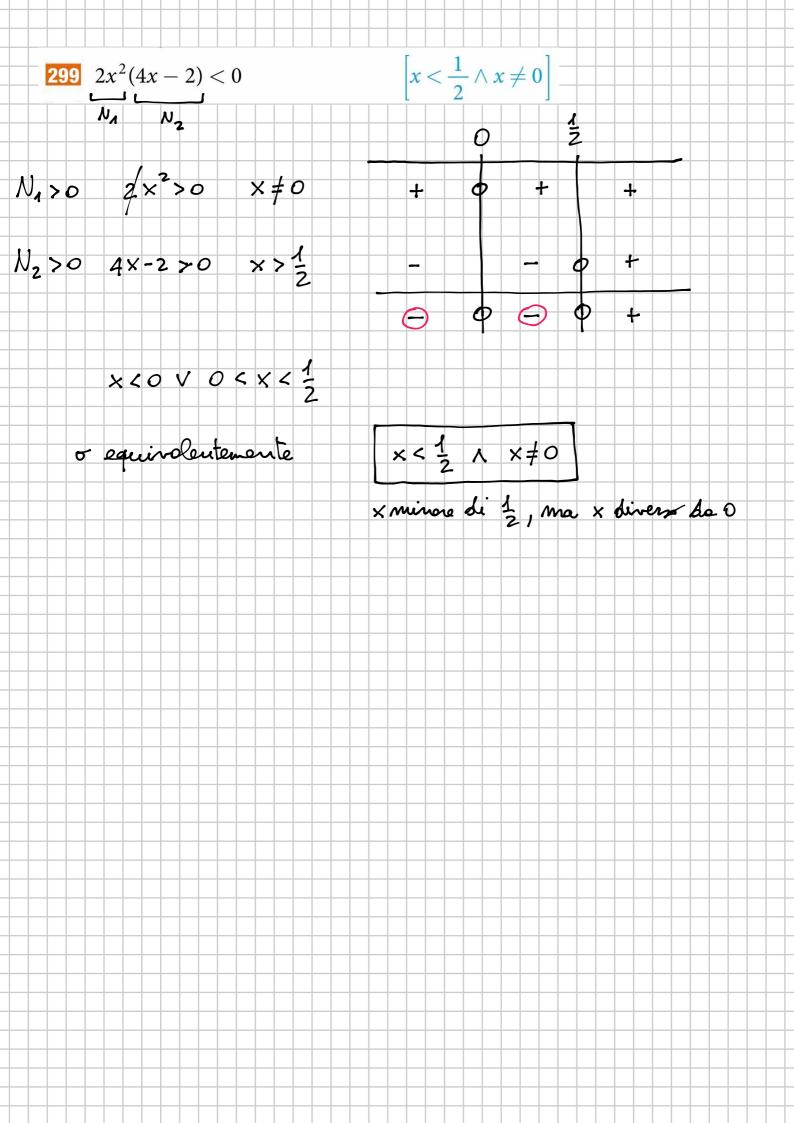
$$N_2 > 0 \ 3x + 1 > 0 \ 3x > -1 \ x > -\frac{1}{3}$$

 $-\sqrt{2}$ $-\frac{1}{3}$

$$N_1 = 2x^2 - 4 + 0 - - \phi +$$

$$N_2$$
 3x+1 - - 0 + + + + - 0 + 0 - 0 +

$$\times < -\sqrt{2} \quad \vee \quad -\frac{1}{3} < \times < \sqrt{2}$$



$$\frac{186}{(x^2 - x)(4 - x^2)} = 0$$

$$\frac{1}{2} \frac{1}{(x^2 - x)(4 - x^2)} \ge 0$$

$$\frac{1}{2} \frac{1}{(x^2 - x)(4 - x^2)} = 0$$

$$\frac{1}{2$$