## EQUAZIONI IRRAZIONALI

699 
$$\sqrt{3x+4} = 2+x$$

$$[-1;0]$$

$$\begin{array}{c|c}
3 \times +4 &> 0 \\
2 + \times &> 0
\end{array}$$
Terché vio

contenuts qui

$$3 \times +4 = (2 + \times)^2$$

$$\alpha = \ell - \langle = \rangle \quad \alpha^2 = \ell^2$$

$$\begin{cases} 2 + \times > 0 \\ 3 \times + 4 = (2 + \times)^2 \end{cases}$$

$$(\times > -2)$$

$$\begin{cases} x > -2 \\ 3x + 4 = 4 + x^2 + 4x \end{cases} \begin{cases} x > -2 \\ x^2 + x = 0 \\ x(x+1) = 0 \end{cases}$$

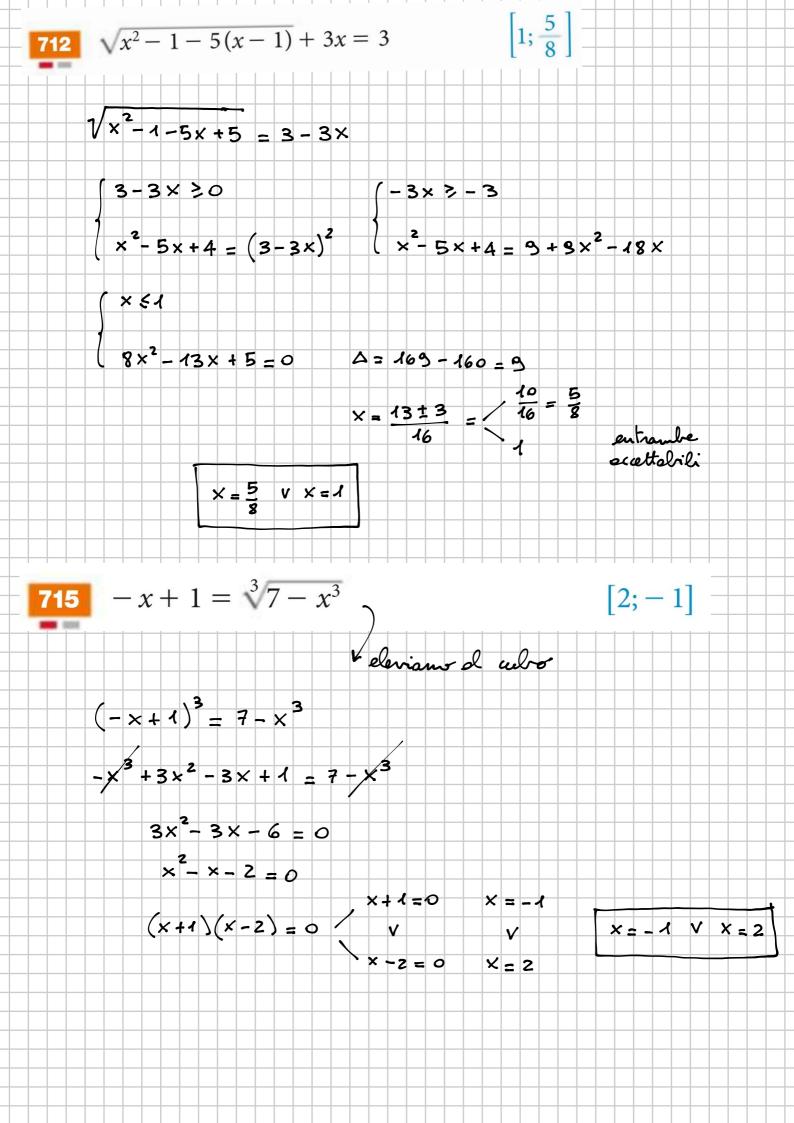
a, b > 0

$$A(x) = B^{2}(x)$$

VA(x) = B(x)

$$\left(B^{2}(x) = \left[B(x)\right]^{2}\right)$$

$$A(x) = B^3(x)$$



13 metali ni posono genealizzare a n∈ NI, n ≥ 2 M PARI  $\sqrt{A(x)} = B(x)$   $\langle = \rangle$   $\begin{cases} B(x) \ge 0 \\ A(x) = B^{m}(x) \end{cases}$ M DISPARI  $\sqrt{A(x)} = B(x) \iff A(x) = B^{m}(x)$ (3×+2 >0 od es.  $\sqrt{x+1} = 3x+2$  é equirdente a  $\begin{pmatrix} \times + 1 = (3 \times + 2)^4 \end{pmatrix}$