

LEZIONI PRIVATE 346/3103392

C.E. $x^2 + 3x \neq 0 \quad x(x+3) \neq 0$

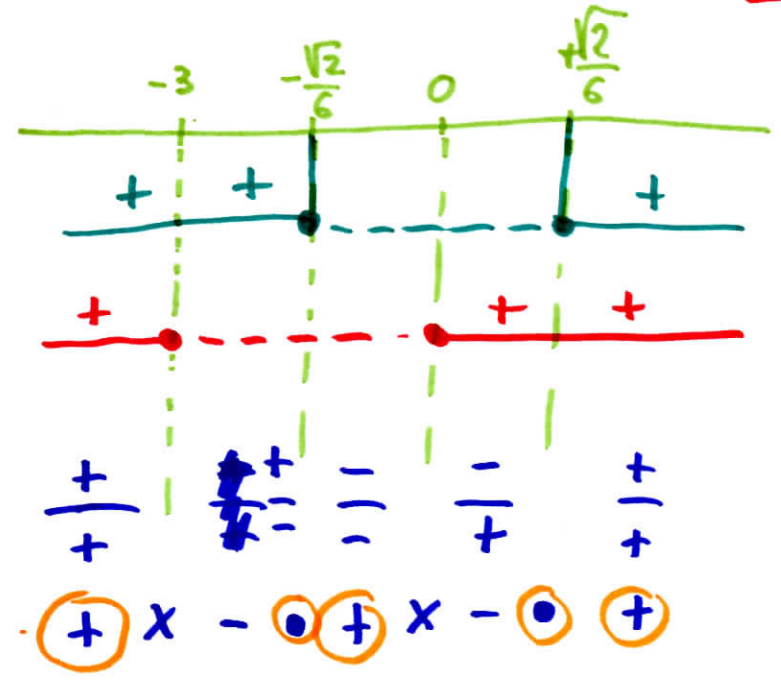
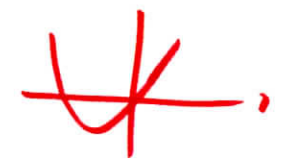
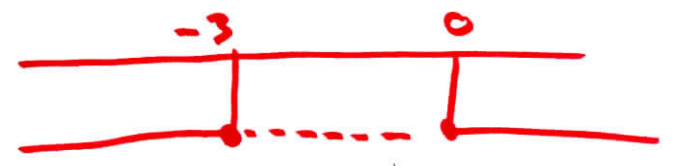
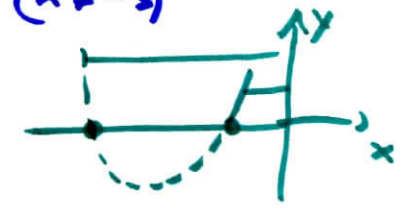
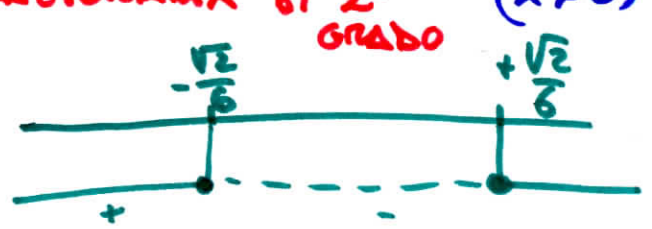
DISUGUAGLIANZE FRAZIONARIE di 2° GRADO

$(x \neq 0) \wedge (x \neq -3)$

$\frac{18x^2 - 1}{x^2 + 3x} \geq 0$

$18x^2 - 1 \geq 0 \quad 18x^2 - 1 = 0 \quad x_{1,2} = \pm \frac{\sqrt{2}}{6}$
 $(a+b)(a-b)$

$x^2 + 3x \geq 0 \quad x^2 + 3x = 0 \quad x_{1,2} = \begin{cases} -3 \\ 0 \end{cases}$



$(x < -3) \vee \left(-\frac{\sqrt{2}}{6} \leq x < 0\right) \vee \left(x \geq \frac{\sqrt{2}}{6}\right)$

$(-\infty; -3) \vee \left[-\frac{\sqrt{2}}{6}; 0\right) \vee \left[\frac{\sqrt{2}}{6}; +\infty\right)$

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