7/4/2021 | x(x) | = 0 33 $|x^2 - 3x + 2| = 0$ f(x)=0 x^{2} - 3 × + 2 = 0 (x-1)(x-2)=0X=1 V X = 2 Ricordere che | f(x) | = K 2°4050 x(x)=±K f(x)=K V f(x)=-K ESEMPIO

X+1= ±2

30
$$|x+1|=2$$
 $(x+1) = 0$
 $(x$

×+1=-2 => X=-3

$$|x^2 - x + 1| = 0$$

$$\Delta = 1 - 4 = -360$$
 IMPOSSIBILE IN IR

$$|x+3|=-2$$

$$|MPOSSIBILE$$

sciro relits "injessilile"

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$$\left| x + \frac{1}{2}(1-x) - \frac{x-2}{3} + 1 \right| = \frac{4}{3}$$
 [-5; -21]

$$\begin{vmatrix} x + 13 \\ 6 \end{vmatrix} = \frac{4}{3} \frac{|x + 13|}{|6|} = \frac{4}{3}$$

$$\frac{|x+13|}{6} = \frac{4}{3} |x+13| = 8$$

$$x+13=-8$$
 $x=-21$
 $x+13=\pm 8$ $y=-5$

$$|f(x)| = g(x)$$

$$|f(x)| = g(x)$$

$$\begin{cases} f(x) < 0 \\ f(x) = g(x) \end{cases}$$

$$\begin{cases} f(x) < 0 \\ -f(x) = g(x) \end{cases}$$

$$\begin{cases} x+2 > 0 \\ x+2 = 3x+7 \end{cases}$$

$$\begin{cases} x+2 < 0 \\ -(x+2) = 3x+7 \end{cases}$$

$$\begin{cases} x > -2 \\ 2x = -5 \end{cases}$$

$$\begin{cases} x < -2 \\ x = -\frac{5}{2} \end{cases}$$

$$\begin{cases} x < -2 \\ x = -\frac{5}{4} \end{cases}$$

$$|f(x)| = g(x) \qquad |x+2| = 3x+7$$

$$\begin{cases} g(x) \ge 0 & \begin{cases} g(x) \ge 0 \\ f(x) = \frac{1}{2}g(x) \end{cases} & \begin{cases} g(x) \ge 0 \\ f(x) = g(x) \end{cases} & \begin{cases} g(x) \ge 0 \\ f(x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ f(x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \end{cases} & \begin{cases} (x) = -\frac{1}{2}g(x) \\ (x) = -\frac{1}{2}g(x) \end{cases} & \end{cases} &$$

$$|x^2 - 3x| = 2x$$

$$\begin{pmatrix} \times^2 - 3 \times \geqslant 0 & \begin{pmatrix} \times^2 - 3 \times 40 \\ \times^2 - 3 \times = 2 \times \end{pmatrix} \begin{pmatrix} \times^2 - 3 \times 40 \\ -(\times^2 - 3 \times) = 2 \times \end{pmatrix}$$

$$\begin{cases} x \le 0 & \forall x \ge 3 \\ \times = 0 & \forall x \ge 5 \\ 0 & \forall x = 6 \end{cases} \qquad \begin{cases} 0 < x < 3 \\ \times = 0 & \forall x = 1 \\ 0 & \forall x = 6 \end{cases}$$

$$\begin{cases}
2 \times 30 \\
\times^2 - 3 \times = \pm 2 \times
\end{cases}$$

$$\begin{cases}
\times 30 \\
\times^2 - 3 \times = 2 \times
\end{cases}$$

$$\begin{cases}
\times 30 \\
\times^2 - 3 \times = -2 \times
\end{cases}$$