19/4/2021

$$|x| + |x + 1| = 2 - x^{2} \qquad [-1 + \sqrt{2}; -1]$$

$$|x| + |x + 1| = 2 - x^{2} \qquad - \phi + \phi + \phi$$

$$|x + 1/2 \circ = |x - 1| \qquad - \phi + \phi + \phi$$

$$|x + 1/2 \circ = |x - 1| \qquad - \phi + \phi + \phi$$

$$|x + 1/2 \circ = |x - 1| \qquad - \phi + \phi + \phi$$

$$|x + 1/2 \circ = |x - 1| \qquad - \phi + \phi + \phi$$

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$$|x + 1/2 \circ = |x - 1| \qquad - \phi$$

$$|x + 1/2 \circ = |x - 1| \qquad - \phi$$

$$|x + 1/2 \circ = |x - 1|$$

319
$$\begin{cases} |x - 2| = 2|y| & |x| < |x| <$$

$$(1)_{(x-2=-\frac{2}{3}(x-3))} (2)_{(x-2=\frac{2}{3}(x-3))} (2)_{(x-2=\frac{2}{3}(x-3))} (2)_{(x-2=\frac{2}{3}(x-3))} (3)_{(x-2=\frac{2}{3}(x-3))} (3)_{(x-2=\frac{2}{3}($$

$$3 \times -6 = -2 \times +6$$

$$5 \times = 12$$

$$(\times = \frac{12}{5})$$

$$(\times = \frac{12}{5} - 3 = -\frac{3}{5} = -\frac{1}{5}$$

$$(\times = \frac{12}{5})$$

$$(\times = \frac{12}{5} - 3 = -\frac{1}{5})$$

$$(\times = \frac{12}{5} - 3 = -\frac{1}{5})$$

(y=-1=

(1)

$$\begin{cases} x = 0 \\ y = -1 \end{cases}$$

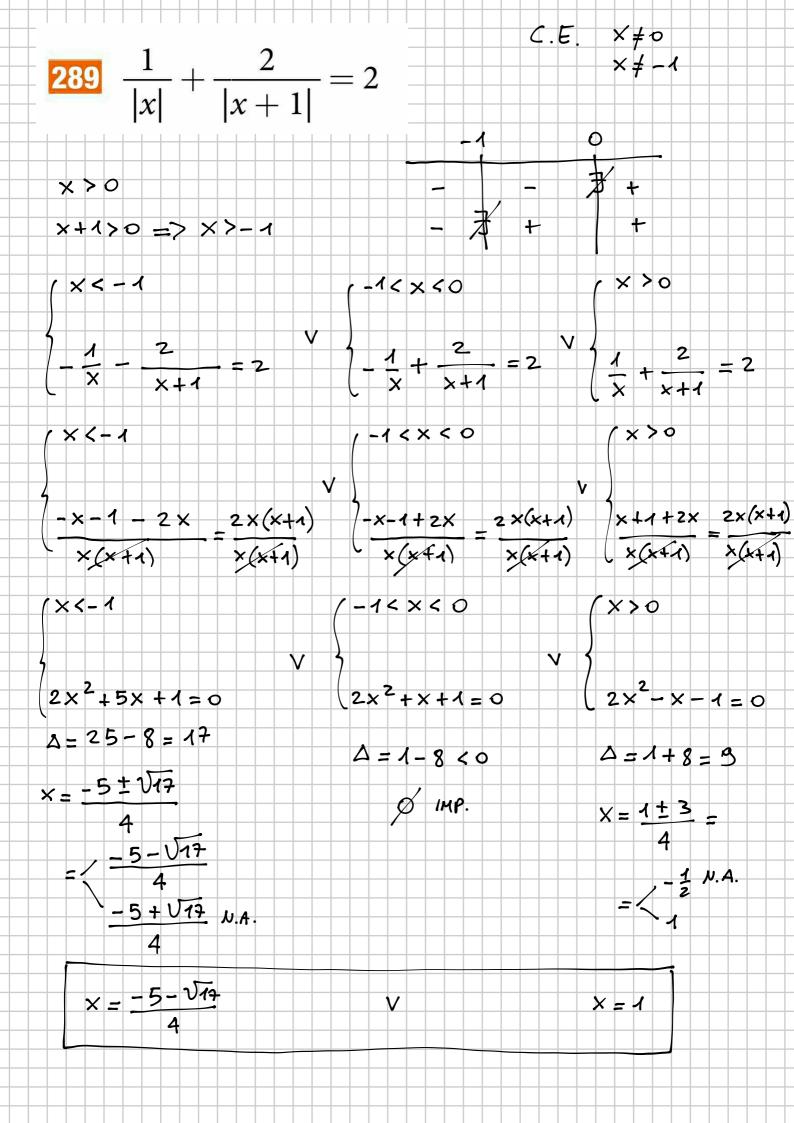
y = 0 - 3 = -1

V 3x - 6 = 2x - 6

1 (x) = 18 (x)

\$ (x) = ± 8 (x)

f(x)=g(x) V f(x)=-g(x)



317
$$\frac{1}{x^{2} - 4x + 4} + \frac{1}{|x - 2|} = \frac{2}{4 - x}$$

$$x \neq 2$$

$$(x - 2)^{2}$$

$$x - 2 > 0 \Rightarrow x > 2$$

$$(x - 2)^{2} - x - 2 \Rightarrow 4 - x$$

$$(x - 2)^{2} + 4 - x$$

$$(x - 2)^{2} - x - 2 \Rightarrow 4 - x$$

$$(x - 2)^{2} + 4 - x$$

$$(x - 2)^{2} +$$

$$\begin{cases} x > 2 \\ \frac{1}{(x-2)^2} + \frac{1}{x-2} = \frac{2}{4-x} \\ \frac{4-x+(x-2)(4-x)}{(x-2)^2(4-x)} = \frac{2(x-2)^2}{(x-2)^2(4-x)} \\ \frac{4-x+4x-x^2-6+2x=2x^2+8-8x}{(x-2)^2(4-x)} \\ 4-x+4x-x^2-6+2x=2x^2+8-8x \\ 3x^2-13x+12=0 \\ \Delta = 169-144=25 \\ \frac{3}{6} = \frac{4}{3} \text{ N.A.} \\ x = \frac{13\pm 5}{6} = \frac{8}{6} = \frac{4}{3} \text{ N.A.} \\ x = \frac{1-\sqrt{12}}{2} \text{ V } x = 3 \\ \hline x = \frac{1-\sqrt{12}}{2} \text{ V } x = 3 \\ \hline \end{cases}$$