$$\frac{(x+1)^2 - 8}{x^2 + 4x + 3} + \frac{1 - x}{x + 1} = 1 - \frac{3}{x + 1} \qquad [-2;1]$$

$$\frac{(x+4)(x+3)}{(x+4)(x+3)}$$

$$\frac{x^2 + 4 + 2x - 8 + (4 - x)(x+3)}{(x+4)(x+3)} = \frac{(x+4)(x+3) - 3(x+3)}{(x+4)(x+3)}$$

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510
$$3x^2 - 4x - 4$$

$$1^{\circ}$$
 MEZODO $p = 3 \cdot (-4) = -12$

$$\times_{A} = -6$$

Longone

$$3x^{2}-4x-4=3x^{2}-6x+2x-4=3x(x-2)+2(x-2)=$$

$$= (x-2)(3x+2)$$

$$3 \times^{2} - 4 \times - 4$$

$$2 \mapsto 3 \cdot 2^2 - 4 \cdot 2 - 4 = 0$$

$$3x^{2}-4x-4=(3x+2)(x-2)$$

$$\frac{12}{6} = 2$$

$$3 \times ^{2} - 4 \times - 4 = 3 \left(\times + \frac{2}{3} \right) \left(\times - 2 \right) =$$

$$= (3\times+2)(\times-2)$$

Provious Ruffin ±1 ±2 Altu tentotin ±1 ±1 ±2 ± 1 = 6.

1 17 6+1-2 +0

DEMONINATORI:

-1 -> 6-1-2 \fo

dévison del coefficiente di grado marsimo

-2 H> 24 -2-2 # 0

 $6 \times^2 + \times -2$ $\Delta = 1 + 48 = 49$

 $x = -1 \pm 7 = -\frac{8}{12} = -\frac{2}{3}$

 $\frac{6}{12} = \frac{1}{2}$

 $6x^{2}+x-z=6(x+\frac{2}{3})(x-\frac{1}{2})=3\cdot 2(x+\frac{2}{3})(x-\frac{1}{2})=$

 $= (3\times +2)(2\times -1)$

$$\frac{4x^2 - 1}{2x^2 + 5x - 3} =$$

SEMPLIFICARE:

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

$$2x^{2}+5x-3=0$$
 $\triangle = 25+24=49$

$$x = -5 \pm 7$$
 $4 = (-3)$
 $2(x+3)(x-\frac{1}{2}) = (x+3)(2x-4)$