

## ESERCIZIO N. 2

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PROVA n. 1 
$$\frac{1-2x}{2x^2+x-6} = \frac{3x+1}{6x^2-7x-3} \Rightarrow \frac{1-2x}{(2x-3)(x+2)} - \frac{3x+1}{(2x-3)(3x+1)} = 0$$

C.A.:  $x \neq -2 \wedge x \neq -\frac{1}{3} \wedge x \neq \frac{3}{2}$

$$\frac{1-2x}{(2x-3)(x+2)} - \frac{1}{2x-3} = 0$$

$$1-2x-x-2=0 \Rightarrow 3x=-1 \Rightarrow$$

$$\text{m.c.m.} = (2x-3)(x+2)$$

$$x = -\frac{1}{3} \text{ non accettabile}$$

Prova n. 2 
$$\frac{-x-6}{2x^2-5x-3} = \frac{2x+3}{4x^2+8x+3} \Rightarrow \frac{-x-6}{(2x+1)(x-3)} - \frac{2x+3}{(2x+1)(2x+3)} = 0$$

C.A.:  $x \neq -\frac{3}{2} \wedge x \neq -\frac{1}{2} \wedge x \neq 3$

$$\frac{-x-6}{(2x+1)(x-3)} - \frac{1}{2x+1} = 0$$

$$-x-6-x+3=0 \Rightarrow 2x=-3$$

$$\text{m.c.m.} = (2x+1)(x-3)$$

$$x = -\frac{3}{2} \text{ soluzione non accettabile}$$