

613

$$30x^2y^2 - 2xy^3 - 4y^4 =$$

$$= 2y^2(15x^2 - xy - 2y^2) =$$

$$S = -1y$$

$$P = -30y^2$$

$$\begin{matrix} 5y \\ -6y \end{matrix}$$

FACTORIVO

$$15x^2 + 5xy - 6xy - 2y^2 =$$

$$= 5x(3x+y) - 2y(3x+y) =$$

$$2y^2(3x+y)(5x-2y)$$

673

$$(x-3)(x+3)(x-1)^2 = 0$$

$x = 3$	$x = -3$	$x = 1$ (MULT. 2)
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$$x = \pm 3$$

667) GRADE 3^o

$$(x-2)(x+2)(3x+6)=0$$

$$(x-2)(x+2)3(x+2)=0$$

$$3(x+2)^2(x-2)=0$$

↓

↘ $x=2$

$x=-2$ root. 2

FRAZIONI ALGEBRICHE

$$\frac{5}{4}$$

$$\frac{x-3}{x+2}$$

$$\frac{N(x)}{D(x)}$$

$$D(x) \neq 0$$

$$\bullet x^4 : x^5 = x^{-1} = \frac{1}{x}$$

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

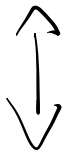
EQUIVALENZA

E

PROP. INVARIANTIVA

FRAZIONI NUMERICHE

$$\left(\frac{10}{15} \right)$$



$$\frac{10 : 5}{15 : 5} = \left(\frac{2}{5} \right)$$

$$\frac{10}{15} \xrightarrow{\text{cancel}} \frac{2}{3}$$

$$30 = 30$$

FRAZIONI ALGEBRICHE

C.E.

$$\left(\frac{x}{x-1} \right)$$



$$\frac{x \cdot x}{(x-1) \cdot (x)}$$

$$\left(\frac{x^2}{x^2-x} \right)$$

$$\left(\begin{array}{l} x-1 \neq 0 \\ x \neq 1 \end{array} \right)$$

$$\frac{x}{x-1} \xrightarrow{\text{cancel}} \frac{x^2}{x^2-x}$$

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

$$x^2(x-1) = x^3 - x^2$$