6 13

$$30x^2y^2 - 2x\,y^3 - 4y^4 =$$

$$= 2y^2\left(15x^2 - xy - 2y^2\right) =$$

$$S = -1y \qquad 5y$$
$$P = -30y^2 \qquad -6y$$

FACTIVO

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

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

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

673

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

$x = 3$ $\quad x = -3$ $\quad x = 1$ (MOLT. 2)

$x = \pm 3$

667) GRADO 3°

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

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

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

$x=2$

$x=-2$ NO LA 2 PORQUE

FRAZIONI ALGEBRICHE

$\frac{5}{4}$ $\qquad$ $\frac{x-3}{x+2}$ $\qquad$ $\frac{N(x)}{D(x)}$ $\qquad$ $D(x) \neq 0$

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

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

EQUIVALENZA E PROP. INVARIANTIVA

FRAZIONI NUMERICHE

$\frac{10}{15}$

$\frac{10:5}{15:5} = \frac{2}{5}$

$\frac{10}{15} \times \frac{2}{3}$

$30 = 30$

FRAZIONI ALGEBRICHE

C.E.

$x - 1 \neq 0$

$x \neq 1$

$\frac{x}{x-1}$

$\frac{x \cdot x}{(x-1) \cdot (x)} = \frac{x^2}{x^2 - x}$

$\frac{x}{x-1} \times \frac{x^2}{x^2-x}$

$x(x^2-x) \qquad x^2(x-1)$

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