Lezione 47

$129x^2 + 200x + 71$

9159	3
3053	43
71	71
1	

$p = 9159$

$s = 200$

$1 \cdot 9159$
$3 \cdot 3053$
$43 \cdot 213$
$71 \cdot 129$

$x_1 = 129 \quad x_2 = 71$

$129x^2 + 129x + 71x + 71 =$

$= 129x(x+1) + 71(x+1) = (x+1)(129x+71)$

$4x^4 - 13x^2 + 3 =$

$= 4t^2 - 13t + 3 =$

$= 4t^2 - t - 12t + 3 =$

$= t(4t-1) - 3(4t-1) =$

$= (4t-1)(t-3) =$

$= (4x^2-1)(x^2-3) =$

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

$x^2 = t$

$p = 12$

$s = -13$

$1 \cdot 12$
$2 \cdot 6$
$3 \cdot 4$

$-1 \quad -12$

$(x-\sqrt{3})(x+$

$6a^2 - 19ac + 10c^2$

$6a^2 - 19ca + 10c^2$

$= 6a^2 - 4ca - 15ca + 10c^2 =$

$= 2a(3a - 2c) - 5c(3a - 2c) =$

$= (3a - 2c)(2a - 5c)$

$p = 60c^2$

$s = -19c$

$p \cdot 60c$	
$2c \cdot 30c$	
$3c \cdot 20c$	
$4c \cdot 15c$	
$6c$	$10c$

$-4c + (-15c) = -19c$