

Schema delle radici

Periodo 2 - UdA 8

Scrivere lo schema delle radici delle seguenti funzioni razionali

$$[1] \quad \frac{-25+9x^2}{-18x-3x^3-15x^2}$$

$$[2] \quad \frac{-12x^4-3x^2}{-16x^2+2x^4-18}$$

$$[3] \quad \frac{16+16x+4x^2}{-x^2-9+6x}$$

$$[4] \quad \frac{-7x^2-7+14x}{-13x^2-x^4-36}$$

$$[5] \quad \frac{5-5x^8}{-9x^3+12x^2}$$

$$[6] \quad \frac{-9x^2-12x}{8-6x^2-2x^4}$$

$$[7] \quad \frac{-6x-x^2-9}{-2x^2+3x^3}$$

$$[8] \quad \frac{10x^2+25x+x^3}{-x-x^2+2}$$

$$[9] \quad \frac{x^2-9}{-x^2-x^6-2x^4}$$

SOLUZIONI

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[1]

-		R	M
$(3x - 5)$	N	$5/3$	1
$(3x + 5)$	N	$-5/3$	1
x	D	0	1
$(x + 3)$	D	-3	1
$(x + 2)$	D	-2	1

[2]

-		R	M
x^2	N	0	2
$(x - 3)$	D	3	1
$(x + 3)$	D	-3	1

[3]

-		R	M
$(x + 2)^2$	N	-2	2
$(x - 3)^2$	D	3	2

[4]

+		R	M
$(x - 1)^2$	N	1	2

[5]

+		R	M
$(x - 1)$	N	1	1
$(x + 1)$	N	-1	1
x^2	D	0	2
$(3x - 4)$	D	$4/3$	1

[6]

+		R	M
x	N	0	1
$(3x + 4)$	N	$-4/3$	1
$(x - 1)$	D	1	1
$(x + 1)$	D	-1	1

[7]

-		R	M
$(x + 3)^2$	N	-3	2
x^2	D	0	2
$(3x - 2)$	D	$2/3$	1

[8]

-		R	M
x	N	0	1
$(x + 5)^2$	N	-5	2
$(x + 2)$	D	-2	1
$(x - 1)$	D	1	1

[9]

-		R	M
$(x - 3)$	N	3	1
$(x + 3)$	N	-3	1
x^2	D	0	2