

Schema delle radici

Periodo 2 - UdA 5

Trovare gli zeri e le CdE delle seguenti funzioni razionali scomposte

$$[1] \quad \frac{(3x^2+1)(2x-3)}{2(x+2)(x-2)}$$

[2]

$$\frac{2(4x+1)(3x+2)}{(x^2+1)^2(3x+1)}$$

$$[3] \quad \frac{4(2x+1)(x^2+2)}{3(3x^2+2)(2x-3)}$$

[4]

$$\frac{3(x^2+1)(x+1)}{4(x-1)(3x^2+2)}$$

$$[5] \quad \frac{3(3x^2+1)^2(2x-3)(x^2+3)}{2x(x+3)^3(3x-2)}$$

[6]

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

$$[7] \quad \frac{3(4x+1)^2(4x-1)(4x^2+1)}{x(x+2)}$$

[8]

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

$$[9] \quad \frac{x^2(x-3)}{2(3x+2)}$$

[10]

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

$$[11] \quad \frac{2(2x^2+1)}{3(2x+1)^3(3x+1)^2(4x+1)}$$

[12]

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

SOLUZIONI

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[1]

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

[2]

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

[3]

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

[4]

		R	M
$(x+1)$	-1	N	1
$(x-1)$	1	D	1

[5]

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

[6]

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

[7]

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

[8]

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

[9]

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

[10]

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

[11]

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

[12]

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