

Risolvere le seguenti equazioni reciproche

- 1) $5x^3 - 6x^2 - 6x + 5 = 0$ $S = \left\{ -1; \frac{11 \pm \sqrt{21}}{10} \right\}$
- 2) $3x^3 - 6x^2 - 6x + 3 = 0$ $S = \left\{ -1; \frac{3 \pm \sqrt{5}}{2} \right\}$
- 3) $3x^3 - 7x^2 - 7x + 3 = 0$ $S = \left\{ -1; \frac{1}{3}; 3 \right\}$
- 4) $10x^3 - x^2 + x - 10 = 0$ $S = \left\{ 1; \frac{-9 \pm i\sqrt{319}}{20} \right\}$
- 5) $10x^3 - x^2 - x + 10 = 0$ $S = \left\{ -1; \frac{11 \pm 3i\sqrt{31}}{20} \right\}$
- 6) $4x^3 - 5x^2 + 5x - 4 = 0$ $S = \left\{ 1; \frac{1 \pm 3i\sqrt{7}}{8} \right\}$
- 7) $14x^3 - 67x^2 + 67x - 14 = 0$ $S = \left\{ 1; \frac{2}{7}; \frac{7}{2} \right\}$
- 8) $x^4 - 3x^2 + 3x - 1 = 0$ $S = \left\{ -1; 1; \frac{3 \pm \sqrt{5}}{2} \right\}$
- 9) $4x^4 + 17x^2 - 17x - 4 = 0$ $S = \left\{ -1; 1; -\frac{1}{4}; -4 \right\}$
- 10) $\sqrt{5}x^4 - 6x^2 + 6x - \sqrt{5} = 0$ $S = \left\{ -1; 1; \frac{\sqrt{5}}{5}; \sqrt{5} \right\}$
- 11) $2x^4 + 9x^3 + 14x^2 + 9x + 2 = 0$ $S = \left\{ -2; -\frac{1}{2}; -1; -1 \right\}$
- 12) $8x^4 - 54x^3 + 99x^2 - 54x + 8 = 0$ $S = \left\{ \frac{1}{4}; 4; \frac{1}{2}; 2 \right\}$
- 13) $2x^5 + 11x^4 + 23x^3 + 23x^2 + 11x + 2 = 0$ $S = \left\{ -1; -1; -1; -\frac{1}{2}; -2 \right\}$
- 14) $5x^5 + 11x^4 - 58x^3 + 58x^2 - 11x - 5 = 0$ $S = \left\{ 1; 1; 1; -\frac{1}{5}; -5 \right\}$
- 15) $2x^5 + 7x^4 + 5x^3 - 5x^2 - 7x - 2 = 0$ $S = \left\{ -1; -1; 1; -\frac{1}{2}; -2 \right\}$