

Disequazioni polinomiali

Periodo 2 - UdA 8

Risolvere le seguenti disequazioni

1. $8x^2 + 4x^3 - 12x \leq 0$

2. $16x^2 + x^6 > 0$

3. $12 - 6x^2 + 6x \leq 0$

4. $x^5 - 81x > 0$

5. $3x^2 + 12 - 12x > 0$

6. $-12x^2 + 3x^3 \leq 0$

7. $-x^6 + 16x^2 > 0$

8. $10x^2 + 2x^3 + 8x > 0$

9. $4x + 4x^5 + 8x^3 < 0$

10. $-15 + 3x \geq 0$

11. $16x + x^3 \geq 0$

SOLUZIONI

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1. $x \leq -3 \quad 0 \leq x \leq 1$

2. $x < 0 \quad 0 < x$

3. $x \leq -1 \quad 2 \leq x$

4. $-3 < x < 0 \quad 3 < x$

5. $x < 2 \quad 2 < x$

6. $x \leq 0 \quad 0 \leq x \leq 4$

7. $-2 < x < 0 \quad 0 < x < 2$

8. $-4 < x < -1 \quad 0 < x$

9. $x < 0$

10. $5 \leq x$

11. $0 \leq x$