Corso di Analisi Matematica

Determinare i seguenti integrali indefiniti

1. $\int \frac{x^5+10x^3+9x+9}{x^4+9x^2}\ dx$

2. $\int \frac{x^3-x^2-x+2}{x^3-2x^2+x}\ dx$

3. $\int \frac{x^4+2x^3+2x^2-4x-6}{x^4+2x^3+3x^2}\ dx$

4. $\int \frac{x^6+5x^4+3x^3+x^2+10x+5}{x^5+5x^3}\ dx$

5. $\int \log x + \frac{2x^2+x+10}{x^3+3x} dx$

6. $\int\ x \cdot \log x + \frac{-x-2}{x^3-2x^2}\ dx$