

Név:

Pontszám:

II. ZÁRTHELYI

2003. december 17.

1. $\int \frac{1}{(1+x) \cdot \sqrt{x}} dx = ?$

2. $\int \frac{\ln^2 \ln x}{x \cdot \ln x} dx = ?$

3. $\int \frac{x \cdot \arcsin^2 x^2}{\sqrt{1-x^4}} dx = ?$

4. $\int (1-2x) \cdot 3^{x+1} dx = ?$

5. $\int \sqrt{x} \cdot \ln(1+\sqrt{x^3}) dx = ?$

6. $\int \frac{4x+8}{x^2+2x+17} dx = ?$

7. $\int \frac{8-x}{x^2-x-6} dx = ?$

8. $\int \frac{1}{\cos x + 2 \sin x + 3} dx = ?$

9. $\int_1^2 \frac{x-1}{\sqrt{x^2-2x+4}} dx = ?$

10. $\int_0^{\pi/2} \cos^5 x \cdot \sin^4 x dx = ?$