

Név:

Pontszám:

II. ZÁRTHELYI
2003. december 15.

B.

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

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

3. $\int (12x^5 + 3 \sin 2x) \cdot (2x^6 + 3 \sin^2 x + 12)^5 dx = ?$

4. $\int 3^{2x+1} \cdot \sqrt{9^x + 9} dx = ?$

5. $\int (x-1) \cdot \sin 3x dx = ?$

6. $\int \sqrt{x} \cdot \operatorname{arctg} \sqrt{x^3} dx = ?$

7. $\int \frac{4x-2}{x^2 - 2x + 5} dx = ?$

8. $\int \frac{x+14}{x^2+3x-4} dx = ?$

9. $\int \cos^3 (x-1) \cdot \sin^4 (x-1) dx = ?$

10. $\int \frac{2}{3 \cos x + 5} dx = ?$