

Név:

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II. ZÁRTHELYI  
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**A.**

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

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

3.  $\int (10x^4 - \sin 2x) \cdot (2x^5 + \cos^2 x + 10)^6 dx = ?$

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

5.  $\int (1-x) \cdot \cos 4x dx = ?$

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

7.  $\int \frac{4x-1}{x^2 - 2x + 10} dx = ?$

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

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

10.  $\int \frac{4}{5+3 \cos x} dx = ?$