Tabela NEDOLOČENIH INTEGRALOV, ki jih morate znati (na pamet, seveda!)

1. $)\int x^{\alpha}dx = \begin{cases} ln|x| + C; & x \in (-\infty, 0) \bigcup (0, \infty); \alpha = -1 \\ \frac{x^{\alpha+1}}{\alpha+1} + C; & x \in (-\infty, 0) \bigcup (0, \infty) \end{cases}$

2. $\int e^x dx = e^x + C$

3. $\int cosxdx = sinx + C; \int sinxdx = -cosx + C$

4. $\int \frac{dx}{1+x^2} = arctgx + C$

5. $\int \frac{dx}{\sqrt{1-x^2}} = arcsinx + C; |x| < 1$

6. $\int \frac{dx}{\sqrt{x^2+A}} = ln|x + \sqrt{x^2 + A}| + C; x^2 + A > 0$