BAZI İNTEGRAL FORMÜLLERİ

1. $\int dx = x + C$

2. $\int x^r dx = \dfrac{x^{r+1}}{r+1} + C, \quad r \neq -1$

3. $\int \dfrac{1}{x} dx = \ln|x| + C$

4. $\int \sin(ax) dx = -\dfrac{1}{a}\cos(ax) + C$

5. $\int \cos(ax) dx = \dfrac{1}{a}\sin(ax) + C$

6. $\int \sec^2(ax) dx = \dfrac{1}{a}\tan(ax) + C$

7. $\int \csc^2(ax) dx = -\dfrac{1}{a}\cot(ax) + C$

8. $\int \sec(ax)\tan(ax) dx = \dfrac{1}{a}\sec(ax) + C$

9. $\int \csc(ax)\cot(ax) dx = -\dfrac{1}{a}\csc(ax) + C$

10. $\int \dfrac{dx}{\sqrt{a^2 - x^2}} = \arcsin\dfrac{x}{a} + C, \quad a > 0$

11. $\int \dfrac{dx}{a^2 + x^2} = \dfrac{1}{a}\arctan\dfrac{x}{a} + C$

12. $\int e^{ax} dx = \dfrac{1}{a}e^{ax} + C$

13. $\int b^{ax} dx = \dfrac{1}{a\ln b}b^{ax} + C$