$$\int x^n dx = \frac{x^{n+1}}{n+1} + C \quad n \neq -1$$

- $\int \frac{3}{2} x^{\frac{1}{2}} dx$

$$\int \frac{3}{2} x^{1/2} dx = \frac{3}{2} \int x^{1/2} dx = \frac{3}{2} \cdot \frac{x^{3/2}}{3/2} + C =$$

$$= x^{3/2} + C$$