$$\sqrt{a \cdot b} = \sqrt{a} \cdot \sqrt{b}$$

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

- $\int \frac{\sqrt{2x}}{5} dx$ *

$$\int \frac{\sqrt{2x}}{5} dx = \int \frac{\sqrt{2} \cdot \sqrt{x}}{5} dx = \frac{\sqrt{2}}{5} \int \sqrt{x} dx =$$

$$= \frac{\sqrt{2}}{5} \frac{x^{3/2}}{3/2} * + C = \frac{2}{3} \cdot \frac{\sqrt{2}}{5} \cdot x^{3/2} + C$$