$$a^n = \frac{1}{a^{-n}} \quad ; \quad \frac{1}{a^n} = a^{-n}$$

$$\bullet \int \frac{5}{x^2}\, dx$$

$$\int \frac{5}{x^2}\, dx = 5 \cdot \int \frac{1}{x^2}\, dx = 5 \cdot \int x^{-2}\, dx =$$

$$= 5 \cdot \frac{x^{-2+1}}{-2+1} = 5 \cdot \frac{x^{-1}}{-1} = -5 \cdot x^{-1} = \frac{5}{x} + C$$