

$$\int (-1) x^{-2} dx$$

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

$$\int (-1) x^{-2} dx = (-1) \int x^{-2} dx = - \int x^{-2} dx =$$

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