

**Exercise 1.**  $\int_2^\infty e^{-5p} dp$

**Exercise 2.**  $\int_0^\infty \frac{x^2}{\sqrt{1+x^2}} dx$

**Exercise 3.**  $\int_{-\infty}^\infty x^{-e^{x^2}} dx$

**Exercise 4.**  $\int_1^\infty \frac{1}{x^2 + x} dx$

**Exercise 5.**  $\int_1^\infty \frac{\ln x}{x} dx$

**Exercise 6.**  $\int_0^1 \frac{1}{x} dx$