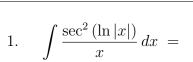


$$2. \qquad \int e^x \sqrt{e^x + 1} \, dx =$$

$$3. \qquad \int \frac{x + e^x}{x^2 + 2e^x} \, dx =$$

4.
$$\int_0^{\frac{\sqrt{\pi}}{2}} x \sec^2(x^2) \, dx =$$



$$2. \quad \int \cos^5(x) \sin(x) \, dx =$$

$$3. \int \frac{6x^2 + 6x}{2x^3 + 3x^2 + 6} \, dx =$$

$$4. \qquad \int_0^1 x e^{x^2 - 1} \, dx \ =$$