

# URCITY INTEGRAL 2

$$21) \int_{\frac{\pi}{6}}^{\frac{\pi}{2}} \sin 2x \, dx$$

$$29) \int_{-1}^1 \frac{2x}{x^2+1} \, dx$$

$$22) \int_{-4}^2 \sqrt{14+4x} \, dx$$

$$30) \int_{-\frac{\pi}{2}}^0 \sin x \cos x \, dx$$

$$23) \int_{\frac{\pi}{6}}^{\frac{\pi}{2}} \sin^2 x \cos x \, dx$$

$$31) \int_0^{\pi} \sin^3 x \, dx$$

$$24) \int_0^1 \frac{x}{(x^2+1)^2} \, dx$$

$$32) \int_1^e \frac{1+\ln x}{x} \, dx$$

$$25) \int_0^1 \frac{e^x}{e^x+1} \, dx$$

$$33) \int_4^9 \frac{\sqrt{x}}{\sqrt{x}-1} \, dx$$

$$26) \int_e^3 \frac{dx}{x \cdot \ln x}$$

$$34) \int_1^{e^3} \frac{dx}{x \cdot \sqrt{1+\ln x}}$$

$$27) \int_0^{\frac{\pi}{2}} \frac{\cos x}{1+\sin x} \, dx$$

$$35) \int_0^1 (e^x-1)^4 \cdot e^x \, dx$$

$$28) \int_0^1 x(2x^2-10)^{10} \, dx$$

$$36) \int_0^1 x \cdot e^{-x} \, dx$$