



MAT120 Lab Assignment 2

Summer'22

1. $\int \sin(ax)e^{-bx} dx$

2. $\int_0^{\infty} \frac{\sin^{-1}(2x)}{1+x^2} dx$

3. $\int_0^{2\pi} \frac{1}{(a-\cos(x))^2 + (b-\sin(x))^2} dx$

4. $\int_0^{\infty} \frac{\cos^{-1}(2x)}{1+x^2} dx$

5. $\int_{-1}^2 xe^{6x} dx$