

Math 199 CD3 Merit Worksheet 4: Trig Sub

February 1, 2022

1.

$$\int \frac{dx}{(4-x^2)^{3/2}}$$

2.

$$\int \frac{dx}{x^2 \sqrt{x^2-9}}$$

3.

$$\int \frac{dx}{x \sqrt{16-9x^2}}$$

4.

$$\int \frac{dx}{(x^2 - 6x + 13)^2}$$

5.

$$\int \frac{\sqrt{1+x^2}dx}{x}$$