

Worksheet 4  
9/14/2023

Use a suitable technique to find each following integral

1.

$$\int_0^{\pi/2} \sin^3 x \cos^3 x dx$$

2.

$$\int_0^{\pi} \sin^2 x \cos^2 x dx$$

3.

$$\int_0^2 x^2 \sqrt{4-x^2} dx$$