

Substitution Rule

While working in a group make sure you:

- Expect to make mistakes but be sure to reflect/learn from them!
- Are civil and are aware of your impact on others.
- Assume and engage with the strongest argument while assuming best intent.

1. Find:

$$\int \frac{\sin(\sqrt{x})}{\sqrt{x}} dx$$

$$\int x^3 \sqrt{1+x^2} dx$$

2. Find:

$$\int_1^4 \frac{\sin(\sqrt{x})}{\sqrt{x}} dx$$

$$\int_{-1}^3 e^{5x} dx$$

$$\int_0^1 \frac{1}{(1 + \sqrt{x})^4} dx$$