Assignment 2

Due on 2020-10-12, 5:59 AM

1. Consider the following diagram. The area of the shaded region is to be found using integration. Choose the correct equation:

- $\int_{-1}^{1} x^2 \, dx$
- $\int_{0}^{1} x \, dx$
- $\int_{-1}^{1} x \, dx$
- $\int_{0}^{1} x^2 \, dx$

2. Consider the following diagram. The area of the shaded region is to be found using integration. Choose the correct equation:

- $\int_{-1}^{1} x^2 \, dx$
- $\int_{0}^{1} x \, dx$
- $\int_{-1}^{1} x \, dx$
- $\int_{0}^{1} x^2 \, dx$

3. Consider the following diagram. The area of the shaded region is to be found using integration. Choose the correct equation:

- $\int_{-1}^{1} x^2 \, dx$
- $\int_{0}^{1} x \, dx$
- $\int_{-1}^{1} x \, dx$
- $\int_{0}^{1} x^2 \, dx$

4. Consider the following diagram. The area of the shaded region is to be found using integration. Choose the correct equation:

- $\int_{-1}^{1} x^2 \, dx$
- $\int_{0}^{1} x \, dx$
- $\int_{-1}^{1} x \, dx$
- $\int_{0}^{1} x^2 \, dx$