

MCS22 Homework 39

Evaluate each definite integral.

1. $\int_0^3 (2x-1) dx$

2. $\int_0^2 (4-x) dx$

3. $\int_1^2 (4t-5) dt$

4. $\int_1^3 (2x+3) dx$

5. $\int_{-3}^0 (x^2 + 2x - 2) dx$

6. $\int_1^e \frac{dx}{x}$

7. $\int_{-\pi/2}^{\pi/2} \cos \theta d\theta$

8. $\int_0^1 e^x dx$

9. $\int_{16}^{25} \sqrt{x} dx$