Average Value of a Function

Learning Objectives

- Find the average value of a function over an interval

Find the average value of a function over an interval

1. Find the average value of $f(x) = x^2 - 2x$ over the interval [2,5].

- The average value of a function on the interval $[a, b]$ is given by $\bar{f} = \frac{1}{b-a}\int_a^b f(x)dx$.

ANSWER KEY

1. $\bar{f} = 6$