

Topic 24: Average value of a function

Find the average value of the function on the given interval.

1.  $f(x) = 2x + 1$ ,  $[0, 4]$

2.  $f(x) = x^2 - 1$ ,  $[1, 3]$

3.  $f(x) = \cos x$ ,  $[0, \pi/2]$

Answers

1) 5

2)  $\frac{10}{3}$

3)  $\frac{2}{\pi}$