National 5 Mathematics

Functions - **Questions** - 2014-2019

Marks are indicated in brackets after each question number

2015 Paper 2 Question 2, (2)

A function is defined as $f(x) = 3x + 2$.

Given that $f(a) = 23$, calculate a.

2016 Paper 1 Question 9, (2)

The function $f(x)$ is defined by $f(x) = \frac{2}{\sqrt{x}}, \quad x > 0$.

Express $f(5)$ as a fraction with a rational denominator.

2017 Paper 1 Question 1, (2)

Given that $f(x) = x^2 + 3x$, evaluate $f(-5)$.

2018 Paper 2 Question 6, (2)

A function is defined as $f(x) = 5 + 4x$.

Given that $f(a) = 73$, calculate a.

2019 Paper 1 Question 1, (2)

Given that $f(x) = 5x^3$, evaluate $f(-2)$.