

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  $f(x) = \frac{2}{\sqrt{x}}$ ,  $x > 0$ .

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

2017 Paper 1 Question 1, (2)

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