



Function Notation



SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

1 $f(x) = 6x - 1$

$g(x) = 8x^2$



(a) Work out the value of $f(10)$

.....
(1)

(b) Work out the value of $g(5)$

.....
(1)

(c) Work out the value of $f(-2) + g(2)$

.....
(2)

(d) Work out the value of $f(0.5) - g(0.5)$

.....
(2)

(Total for Question 1 is 6 marks)





2 $f(x) = 9 - x^2$

$g(x) = \frac{3}{x}$

$h(x) = 2^x$

(a) Work out the value of $f(-2)$

.....
(1)

(b) Work out the value of $g(0.5)$

.....
(1)

(c) Work out the value of $h(4)$

.....
(1)

(d) Work out the value of $f(\sqrt{3})$

.....
(2)

(e) Work out the value of $g(4) + h(-2)$

.....
(2)

(Total for Question 2 is 7 marks)





3 $f(x) = x^2 + 6x - 40$

$g(x) = \frac{1}{x-4}$

$h(x) = \sqrt{2x-3}$

(a) Work out the value of $f(2)$

.....
(1)

(b) Work out the value of $g(7)$

.....
(1)

(c) Work out the value of $h(26)$

.....
(1)

(d) Work out the value of $g\left(\frac{23}{5}\right)$

.....
(2)

(e) Work out the value of $f(10) \times g(10)$

.....
(2)

(Total for Question 3 is 7 marks)

