



Function Notation



REVISE THIS
TOPIC

CHECK YOUR
ANSWERS

1 $f(x) = 6x - 1$ $g(x) = 8x^2$



1 (a) Work out the value of $f(10)$ [1 mark]

Answer _____

1 (b) Work out the value of $g(5)$ [1 mark]

Answer _____

1 (c) Work out the value of $f(-2) + g(2)$ [2 marks]

Answer _____

1 (d) Work out the value of $f(0.5) - g(0.5)$ [2 marks]

Answer _____





2

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

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

$$h(x) = 2^x$$



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

[1 mark]

Answer _____

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

[1 mark]

Answer _____

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

[1 mark]

Answer _____

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

[2 marks]

Answer _____

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

[2 marks]

Answer _____





3

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

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

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

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

[1 mark]

Answer

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

[1 mark]

Answer

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

[1 mark]

Answer

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

[2 marks]

Give your answer as a mixed number.

Answer

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

[2 marks]

Answer

