

Functions - Substitution

Name :

Class :

Date :

Mark :

/10

%

1) Given the function $h(x) \rightarrow 7 + 2x$, find the value of $h(6)$. [1]

2) Given the function $f(x) \rightarrow -5 + 6x$, find the value of $f(-7)$. [1]

3) Given the function $f(x) \rightarrow 9x + 8$, find the value of $f(\frac{7}{2})$. [1]

4) Given the function $h(x) = 1 + \frac{1}{8x}$, find the value of $h(-10)$. Leave your answer to 2 decimal places or as a fraction. [1]

5) Given the function $h(x) \rightarrow \frac{5+9x}{2}$, find the value of $h(\frac{1}{4})$. Leave your answer to 2 decimal places or as a fraction. [1]

6) Given the function $h(x) = -6x^2 + 2x - 2$, find the value of $h(4)$. [1]

7) Given the function $g(x) \rightarrow 4x^2 - 5$, find the value of $g(-2)$. [1]

8) Given the function $f(x) \rightarrow -5x^3 + 2x$, find the value of $f(1)$. [1]

9) Given the function $g(x) = -5x^3 - 6$, find the value of $g(-1)$. [1]

10) Given the function $h(x) = \sqrt{7 + 2x}$, find the value of $h(-1)$. Leave your answer to 3 [1]
significant figures where necessary.

Solutions for the assessment Functions - Substitution

1) 19

2) -47

3) $39\frac{1}{2}$

4) 0.99

5) 3.63

6) -90

7) 11

8) -3

9) -1

10) 2.24