

Introductory Calculus ~ Homework Activity 1

Student name: _____

Date Due: _____

All answers must be written on a separate piece of paper
(working out must be shown for each question)

Question 1

For $f(x) = 6x + 7$ determine each of the following.

- | | | |
|-----|------------|--------|
| (a) | $f(3)$ | 1 mark |
| (b) | $f(-2)$ | 1 mark |
| (c) | $f(4)$ | 1 mark |
| (d) | $f(0.5)$ | 1 mark |
| (e) | $f(2c)$ | 2 mark |
| (f) | $f(a + b)$ | 2 mark |

Question 2

For $f(x) = 5x + 3$ $g(x) = 1x^2 + 3$ $h(x) = 4x^2 - 5x + 1$

- | | | |
|-----|---------------|--------|
| (a) | $f(2)$ | 1 mark |
| (b) | $g(-3)$ | 1 mark |
| (c) | $h(5)$ | 1 mark |
| (d) | $f(3) + g(2)$ | 2 mark |
| (e) | $g(2f)$ | 2 mark |
| (f) | $h(3y)$ | 3 mark |

Declaration

The work I am submitting in this assignment is my own work.
It was not copied from another person.



18 Marks

Student Signature ; _____