

THE UNIVERSITY OF THE SOUTH PACIFIC SCHOOL OF DISTANCE EDUCATION

DEPARTMENT OF EDUCATION

NAME : _____
MATHS 101 - ASSIGNMENT 1
QUESTION 1
A function f is defined by $f(x) = 2x^2 - 5x + 3$.
Find $f(4)$ and $f(-2)$.
Solve the equation $2x^2 - 5x + 3 = 0$.
A function g is defined by $g(x) = 3x - 7$.
Find $g(5)$ and $g(-1)$.
Solve the equation $3x - 7 = 0$.

QUESTION 2
A function f is defined by $f(x) = 4x^2 - 12x + 9$.
Find $f(3)$ and $f(0)$.
Solve the equation $4x^2 - 12x + 9 = 0$.
A function g is defined by $g(x) = 5x - 10$.
Find $g(2)$ and $g(4)$.
Solve the equation $5x - 10 = 0$.

QUESTION 3
A function f is defined by $f(x) = 6x^2 - 18x + 12$.
Find $f(2)$ and $f(1)$.
Solve the equation $6x^2 - 18x + 12 = 0$.
A function g is defined by $g(x) = 7x - 14$.
Find $g(3)$ and $g(5)$.
Solve the equation $7x - 14 = 0$.

QUESTION 4
A function f is defined by $f(x) = 8x^2 - 24x + 16$.
Find $f(1)$ and $f(2)$.
Solve the equation $8x^2 - 24x + 16 = 0$.
A function g is defined by $g(x) = 9x - 18$.
Find $g(2)$ and $g(4)$.
Solve the equation $9x - 18 = 0$.

QUESTION 5
A function f is defined by $f(x) = 10x^2 - 30x + 20$.
Find $f(1)$ and $f(2)$.
Solve the equation $10x^2 - 30x + 20 = 0$.
A function g is defined by $g(x) = 11x - 22$.
Find $g(2)$ and $g(4)$.
Solve the equation $11x - 22 = 0$.

□□□□□□□□□□/□/□□ □□□□□□, □□□□