

N5 - Relationships

Worksheet 3

Bronze Level



Outcome 1 - Evaluating Functions

A function is given as $f(x) = 3x + 8$.

Find :

 $f(0)$  $f(3)$  $f(10)$

A function is given as $g(a) = 4a^2 - 5$.

Find :

 $g(4)$  $g(9)$  $g(10)$

A function is defined as $h(t) = t^2 - 2t$.

Find :

 $h(2)$  $h(6)$  $h(11)$

Outcome 2 - Functions - Working Backwards

A function is given as $f(x) = 8x + 7$.

For what value of x is :

 $f(x) = 15$  $f(x) = 39$  $f(x) = 103$

A function is given as $g(a) = 3a - 11$.

For what value of a is :

 $g(a) = -5$  $g(a) = 16$  $g(a) = 49$

A function is given as $h(t) = 7t - 5$.

For what value of t is :

 $h(t) = -40$  $h(t) = 16$  $h(t) = 1395$