

Nat 5/Credit/Int 2: Function Notation

Nat 5 2019 P1 Q1	1. Given that $f(x) = 5x^3$, evaluate $f(-2)$.	2	2
Ans	-40		
Nat 5 2018 P2 Q6	6. A function is defined as $f(x) = 5 + 4x$. Given that $f(a) = 73$, calculate a .	2	2
Ans	a = 17		
Nat 5 2017 P1 Q1	Given that $f(x) = x^2 + 3x$, evaluate $f(-5)$.		2
Ans	10		
Nat 5 2015 P2 Q2	A function is defined as $f(x) = 3x + 2$. Given that $f(a) = 23$, calculate a .		2
Ans	7		
Credit 2007 P1 Q14	14. The sum S_n of the first n terms of a sequence, is given by the formula $S_n = 3^n - 1.$ (a) Find the sum of the first 2 terms. (b) When $S_n = 80$, calculate the value of n .		3
Ans	(a) 8 (b) 4		

Credit 2006 P1	3. Given that $f(x) = 4 - x^2$, evaluate $f(-3)$.	2
Ans	-5	
Credit 2003 P1 Q4	4. $f(x) = 7 - 4x$ (a) Evaluate $f(-2)$. (b) Given that $f(t) = 9$, find t.	3
Ans	(a) 15 (b) -0.5	
Credit 2002 P1	4. Given that $f(x) = x^2 + 5x$, evaluate $f(-3)$.	2
Ans	-6	
Credit 2001	3. Given that $f(m) = m^2 - 3m$, evaluate $f(-5)$.	2
Ans	40	
Credit 2000 P1	3. $f(x) = 2x - 5x^2$. Find $f(-2)$.	2
Ans	-24	