

Name : _____

Function Table - Quadratic Function

ES1

A) Complete each function table.

1) $f(x) = 3x(x - 1)$

x	$f(x)$
0	
1	
2	
3	
5	

2) $f(x) = x^2 - 5x + 6$

x	$f(x)$
-6	
-4	
-3	
-2	
-1	

3) $f(x) = 4x^2 + 13$

x	$f(x)$
-7	
-5	
-2	
0	
2	

B) Complete the function table using the function rule $f(x) = (x + 6)(x - 8)$ and answer the following questions.

x	-6	-1	0	5	8
$f(x)$					

i) What is the value of $f(9)$?

ii) What is the value of $f(x)$, if x is 3?

C) Complete the function table.

$f(x)$	$3x^2 - 14$	x^2	$2x^2 - 7x + 5$
$f(-4)$			
$f(0)$			
$f(6)$			

Function Table - Quadratic Function

A) Complete each function table.

1) $f(x) = 3x(x - 1)$

x	$f(x)$
0	0
1	0
2	6
3	18
5	60

2) $f(x) = x^2 - 5x + 6$

x	$f(x)$
-6	72
-4	42
-3	30
-2	20
-1	12

3) $f(x) = 4x^2 + 13$

x	$f(x)$
-7	209
-5	113
-2	29
0	13
2	29

B) Complete the function table using the function rule $f(x) = (x + 6)(x - 8)$ and answer the following questions.

x	-6	-1	0	5	8
$f(x)$	0	-45	-48	-33	0

i) What is the value of $f(9)$? **15** ii) What is the value of $f(x)$, if x is 3? **-45**

C) Complete the function table.

$f(x)$	$3x^2 - 14$	x^2	$2x^2 - 7x + 5$
$f(-4)$	34	16	65
$f(0)$	-14	0	5
$f(6)$	94	36	35