

Evaluating Quadratic Functions

A) Complete each function table.

1) $f(x) = -x^2 + 1.1x + 6.8$

x	f(x)
-9	
-8	
0	
2	
3.6	

2) $f(x) = 2.4x^2 + 9.7$

x	f(x)
-7	
-6	
-4	
-2	
1	

3) $f(x) = (x + 1.3)(x - 5)$

x	f(x)
0	
4	
5	
8	
9	

B) Complete the function table using the function rule $f(x) = \frac{4}{9}x^2$ and answer the following questions.

x	-9	-4.5	- $\frac{3}{8}$	$\frac{9}{5}$	3
f(x)					

- i) What is the value of $f(7.5)$? ii) What is the value of $f(x)$, if x is $-\frac{3}{4}$?

C) Complete the function table.

f(x)	$\frac{1}{3}x^2 + 2$	x ² - $\frac{6}{5}$	-2x ² - 2.5x + 13
f(-3)			
f(0)			
f(6)			