

## Function Table - Quadratic Function

A) Complete each function table.

1)  $f(x) = 14 - 5.9x^2$

x	f(x)
-3	
0	
1	
2	
4	

2)  $f(x) = \frac{2}{3}x^2 + 2x$

x	f(x)
$-\frac{3}{2}$	
$-\frac{3}{4}$	
$-\frac{1}{2}$	

3)  $f(x) = x\left(x - \frac{4}{5}\right)$

x	f(x)
-5	
-1	
0	
6	
9	

B) Complete the function table for the following question.

x	
f(x)	

i) What is the value of  $f(x)$  when  $x = -\frac{4}{5}$ ?

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ii) What is the value of  $f(x)$  when  $x = \frac{1}{5}$ ?

x	0
f(x)	

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C) Complete the function table for the following functions.

f(x)	-2.5x <sup>2</sup>	2x <sup>2</sup> + 1.3x - 1.3	x <sup>2</sup> - 4.1x
f(1)			
f(3.6)			
f(8.6)			

## Function Table - Quadratic Function

A) Complete each function table.

1)  $f(x) = 14 - 5.9x^2$

$x$	$f(x)$
-3	<b>-39.1</b>
0	<b>14</b>
1	<b>8.1</b>
2	<b>-9.6</b>
4	<b>-80.4</b>

2)  $f(x) = \frac{2}{3}x^2 + 2x$

$x$	$f(x)$
$-\frac{3}{2}$	<b><math>-\frac{3}{2}</math></b>
$-\frac{3}{4}$	<b><math>-\frac{9}{8}</math></b>
$-\frac{1}{2}$	<b><math>-\frac{5}{6}</math></b>

3)  $f(x) = x\left(x - \frac{4}{5}\right)$

$x$	$f(x)$
-5	<b>29</b>
-1	<b><math>\frac{9}{5}</math></b>
0	<b>0</b>
6	<b><math>\frac{156}{5}</math></b>
9	<b><math>\frac{369}{5}</math></b>

B) Complete the function table for the following question.

$x$	
$f(x)$	

i) What is the value of  $f(x)$  if  $x = -\frac{1}{5}$ ?

**$-\frac{24}{25}$**

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ii) What is the value of  $f(x)$  if  $x = \frac{4}{5}$  and answer the following question.

$-\frac{1}{5}$	0
<b><math>\frac{21}{25}</math></b>	<b><math>-\frac{4}{5}</math></b>

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

C) Complete the function table for the following question.

$f(x)$	$-2.5x^2$	$2x^2 + 1.3x - 1.3$	$x^2 - 4.1x$
$f(1)$	<b>-2.5</b>	<b>2</b>	<b>-3.1</b>
$f(3.6)$	<b>-32.4</b>	<b>29.3</b>	<b>-1.8</b>
$f(8.6)$	<b>-184.9</b>	<b>157.8</b>	<b>38.7</b>