

# Function Table - Exponents & Radicals

Complete each function table.

1)  $f(x) = \sqrt{3-x}$

$x$	$f(x)$
-6	
-5	
0	
1	
2	

2)  $f(x) = 3 + 6 \cdot (2)^{-x}$

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

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3)  $f(x) = 2 \cdot (9)^{-x+1} + x$

$x$	$f(x)$
-2	
-1	
0	
1	
2	

5)  $f(x) = \sqrt{64-x^2}$

$x$	$f(x)$	$x$	$f(x)$
-6		-2	
-4		0	
2		1	
3		2	
5		3	

## Function Table - Exponents & Radicals

Complete each function table.

1)  $f(x) = \sqrt{3-x}$

$x$	$f(x)$
-6	<b>3</b>
-5	<b><math>2\sqrt{2}</math></b>
0	<b><math>\sqrt{3}</math></b>
1	
2	

2)  $f(x) = 3 + 6 \cdot (2)^{-x}$

$x$	$f(x)$
-6	<b>387</b>
-4	<b>99</b>
-2	<b>27</b>
	<b>15</b>
	<b><math>\frac{51}{16}</math></b>

3)  $f(x) = 2 \cdot (9)^{-x+1} + x$

$x$	
-2	
-1	
0	
1	
2	

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$f(x)$

**0**

**2**

**4**

**$2\sqrt{5}$**

**6**

5)  $f(x) = \sqrt{64-x^2}$

$x$	$f(x)$
-6	<b><math>2\sqrt{7}</math></b>
-4	<b><math>4\sqrt{3}</math></b>
2	<b><math>2\sqrt{15}</math></b>
3	<b><math>\sqrt{55}</math></b>
5	<b><math>\sqrt{39}</math></b>

$x$

$f(x)$

-2

**$-\frac{39}{5}$**

0

**-3**

1

**17**

2

**117**

3

**617**