

Name: _____

Score: _____

Function Table

DS2

Complete the function table:

1) $f(x) = x^2 - 5x + 9$

x	-3	-2	2	3	7
$f(x)$					

2) $f(x) = (x + 1)^3$

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

3) $f(x) = \sqrt{x^2 + 2x + 1}$

x	-4	2
$f(x)$		

4) $f(x) = 3x^3 - 4x + 7$

	0	1	2
$f(x)$			

5) $f(x) = 1 - 3x^2$

x	-2	-1
$f(x)$		

PREVIEW

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	21	30	41
$f(x)$			

7) $f(x) = \frac{x+5}{x+3}$

x	-7	-4
$f(x)$		

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	-1	1	3
$f(x)$			

9) $f(x) = x^3 - x^2$

x	-3	-1
$f(x)$		

	-1	0	7
$f(x)$			

11) $f(x) = \sqrt[3]{2x - 2}$

x	-31	-3	1	5	33
$f(x)$					

12) $f(x) = \sqrt{-x + 2}$

x	-14	-7	-2	1	2
$f(x)$					

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Answer key**Function Table**

DS2

1) $f(x) = x^2 - 5x + 9$

x	-3	-2	2	3	7
f(x)	33	23	3	3	23

2) $f(x) = (x + 1)^3$

x	-6	-3	-1	2	3
f(x)	-125	-8	0	27	64

3) $f(x) = \sqrt{x^2 + 2x + 1}$

x	-4	2
f(x)	3	3

4) $f(x) = 3x^3 - 4x + 7$

x	0	1	2
f(x)	7	6	23

5) $f(x) = 1 - 3x^2$

x	-2	-1
f(x)	5	-1

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x	21	30	41
f(x)	4	5	6

7) $f(x) = \frac{x+5}{x+3}$

x	-7	-4
f(x)	0.5	-1

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x	-1	1	3
f(x)	-1	4	9

9) $f(x) = x^3 - x^2$

x	-3	-1
f(x)	-35	-1

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x	-1	0	7
f(x)	-1	0	7

11) $f(x) = \sqrt[3]{2x - 2}$

x	-31	-3	1	5	33
f(x)	-4	-2	0	2	4

12) $f(x) = \sqrt{-x + 2}$

x	-14	-7	-2	1	2
f(x)	4	3	2	1	0