

Name: _____

Score: _____

Function Table

Complete the function table:

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

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

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

x	1	2	4	5	8
$f(x)$					

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

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

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

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

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

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

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

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

7) $f(x) = -4 - x$

x	-4	-1	2	6	8
$f(x)$					

8) $f(x) = 8 - 5x$

x	-6	-3	0	3	5
$f(x)$					

9) $f(x) = \frac{x}{3}$

x	-6	-3	3	6	9
$f(x)$					

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

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

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

x	-1	1	3	7	11
$f(x)$					

12) $f(x) = -3x + 7$

x	-5	-1	0	5	7
$f(x)$					

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Answers

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

x	-3	-1	2	3	5
$f(x)$	45	5	20	45	125

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

x	1	2	4	5	8
$f(x)$	-2	-1	1	2	5

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

x	-2	-1	1	2	5
$f(x)$	0	2	6	8	14

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

x	-2	-1	1	2	3
$f(x)$	-16	-2	2	16	54

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

x	-3	-1	0	2	3
$f(x)$	9	5	3	-1	-3

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

x	-4	-3	0	1	2
$f(x)$	-16	-9	0	-1	-4

7) $f(x) = -4 - x$

x	-4	-1	2	6	8
$f(x)$	0	-3	-6	-10	-12

8) $f(x) = 8 - 5x$

x	-6	-3	0	3	5
$f(x)$	38	23	8	-7	-17

9) $f(x) = \frac{x}{3}$

x	-6	-3	3	6	9
$f(x)$	-2	-1	1	2	3

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

x	-2	-1	1	2	4
$f(x)$	-4	-0.5	0.5	4	32

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

x	-1	1	3	7	11
$f(x)$	-2	0	2	6	10

12) $f(x) = -3x + 7$

x	-5	-1	0	5	7
$f(x)$	22	10	7	-8	-14