

A) Identify the function rule for each function table.

1)

x	-12	0	3	4
$f(x)$	96	0	-24	-32

2)

x	5	9	12	15
$h(x)$	21	41	56	71

3)

x	-15	-13	-8	2
$g(x)$	-14	-12	-7	3

4)

x	-11	-7	0	6
$f(x)$	22	10	-11	-29

5)

x	-9	-6
$h(x)$	-51	-30

0	5	10
2	1	2

PREVIEW

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B) 1) Which of the follow

x	7	8
$f(x)$	14	16

ble?

ii) $f(x) = -7x - 2$

iv) $f(x) = 2x + 7$

2) Which of the follow

x	-17	-14	-4	-3
$h(x)$	-69	-57	-17	-13

ble?

ii) $h(x) = 4x$

iv) $h(x) = 6x - 4$

3) Which of the following function rules determines the function table?

x	-12	0	14	20
$g(x)$	6	0	-7	-10

i) $g(x) = 5x - 9$

ii) $g(x) = -\frac{1}{2}x$

iii) $g(x) = 3x + 5$

iv) $g(x) = -6x - 12$

Function Rule

A) Identify the function rule for each function table.

1)

x	-12	0	3	4
$f(x)$	96	0	-24	-32

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

2)

x	5	9	12	15
$h(x)$	21	41	56	71

$$h(x) = 5x - 4$$

3)

x	-15	-13	-8	2
$g(x)$	-14	-12	-7	3

$$g(x) = x +$$

4)

x	-11	-7	0	6
$f(x)$	22	10	-11	-29

$$3x - 11$$

5)

x	-9	-6
$h(x)$	-51	-30

$$h(x) = 7x +$$

0	5	10
2	1	2

$$\frac{1}{5}x$$

B) 1) Which of the follow

x	7	8
$f(x)$	14	16

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ble?

ii) $f(x) = -7x - 2$

iv) $f(x) = 2x + 7$

2) Which of the follow

x	-17	-14	-4	-3
$h(x)$	-69	-57	-17	-13

iii) $h(x) = 4x - 1$

ble?

ii) $h(x) = 4x$

iv) $h(x) = 6x - 4$

3) Which of the following function rules determines the function table?

x	-12	0	14	20
$g(x)$	6	0	-7	-10

i) $g(x) = 5x - 9$

ii) $g(x) = -\frac{1}{2}x$

iii) $g(x) = 3x + 5$

iv) $g(x) = -6x - 12$