

# Linear or Nonlinear Functions

A) Determine whether each function table is linear or nonlinear.

1)

$x$	-19	-15	-7	-5
$f(x)$	-16	-12	-4	-2

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2)

$x$	-3	9	13	17
$f(x)$	4	76	19	28

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3)

$x$	-9	0	2	7
$f(x)$	77	-4	0	15

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4)

$x$	-18	-16	7	10
$f(x)$	12	11	12	15

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5)

$x$	1	3	
$f(x)$	10	18	

\_\_\_\_\_

0	11	15
8	3	7

\_\_\_\_\_

7)

$x$	-16	-12	
$f(x)$	-12	-8	

\_\_\_\_\_

4	12
6	14

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B) 1) Which of the follow

a)

$x$	-5	-1	6	8
$f(x)$	-3	1	8	10

b)

$x$	-21	-17	-4	0
$f(x)$	-18	-14	-1	3

c)

$x$	5	7	11	15
$f(x)$	21	45	17	21

2) Which of the following tables represents a linear function?

a)

$x$	9	12	13	22
$f(x)$	6	9	10	19

b)

$x$	-10	-6	-2	3
$f(x)$	91	27	-5	0

c)

$x$	-7	-6	10	19
$f(x)$	39	26	0	31