

**Linear or Nonlinear Functions**

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

1)

$x$	-13	3	8	10
$f(x)$	12	-11	44	80

2)

$x$	-18	-14	-11	3
$f(x)$	-15	-11	-8	6

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3)

$x$	2	5	9	11
$f(x)$	-6	-3	1	2

4)

$x$	-8	0	15	18
$f(x)$	24	20	17	29

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5)

$x$	-16	0	
$f(x)$	-13	3	

	-5	-4
	15	6

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7)

$x$	-19	-15	
$f(x)$	36	20	

	7	14
	17	24

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B) 1) Which of the follow

a)

$x$	1	7	8	10
$f(x)$	12	54	61	75

b)

$x$	-4	0	2	9
$f(x)$	-6	2	4	18

c)

$x$	-11	-5	2	5
$f(x)$	-9	-3	0	3

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

a)

$x$	-10	3	9	15
$f(x)$	27	1	-11	-23

b)

$x$	-18	4	12	20
$f(x)$	27	5	-3	-11

c)

$x$	-8	-7	6	-19
$f(x)$	-3	-4	-1	24

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