

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

1)

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

2)

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

3)

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

4)

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

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

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

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

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

linear

2)

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

nonlinear

3)

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

nonlinear

4)

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

linear

5)

x	1	3	
$f(x)$	10	18	

nonlinear

0	11	15
8	3	7

linear

7)

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

linear

	4	12
	6	14

linear

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

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com