

Function Identification

Determine if the following tables are quadratic, exponential, linear, or neither.

x	-3	-2	-1	0	1	2	3	x	-3	-2	-1	0	1	2	3
y	14	10	6	2	-2	-6	-10	y	21	12	5	0	-3	-4	-3
x	-3	-2	-1	0	1	2	3	x	-3	-2	-1	0	1	2	3
y	-16	-13	-10	-7	-4	-1	2	y	-14	-9	-4	1	6	11	16
x	-3	-2	-1	0	1	2	3	x	-3	-2	-1	0	1	2	3
y	-18	-6	-2	0	2	6	18	y	4	8	16	32	64	128	256
x	-3	-2	-1	0	1	2	3	x	-3	-2	-1	0	1	2	3
y	$\frac{9}{8}$	$\frac{9}{4}$	$\frac{9}{2}$	9	18	36	72	y	30	20	12	6	2	0	0
x	-3	-2	-1	0	1	2	3	x	-3	-2	-1	0	1	2	3
y	$\frac{1}{27}$	$\frac{1}{9}$	$\frac{1}{3}$	1	3	9	27	y	$\frac{1}{9}$	$\frac{1}{3}$	1	3	9	27	81
x	-3	-2	-1	0	1	2	3	x	-3	-2	-1	0	1	2	3
y	11	9	7	5	3	1	-1	y	0	5	8	9	8	5	0

$$2x^2 + 4x - 3$$

$$4x - 5$$

$$3^{x-2} + 4$$

$$2(x-1)^2 + 1$$

$$3x - 4y = 12$$

