

Tell which family each equation or table belongs to. Your choices are:

Constant, linear, absolute value, quadratic, or exponential.

1) $f(x) = 3x^2 - 1$
quadratic

2) $f(x) = 4 \cdot \left(\frac{1}{2}\right)^x$
exponential

3) $f(x) = -2x + 1$
linear

4) $f(x) = |x - 3| + 2$
Absolute value

5) $f(x) = 2$
Constant

6) $f(x) = -2 \cdot 6^x$
exponential

7)

x	y
9	2
3	-2
-3	-6
-9	-10

-4
4
4

linear

8)

x	y
-1	16
0	2
1	-2
2	4
3	20
4	46

14 +10
4 +10
16 +10
26 +10

quadratic

9)

x	y
0	4
1	12
2	36
3	108
4	324

3
3
3
3

exponential

10)

x	y
2	5
3	7
4	9
5	11

+2
+2
+2

linear

11)

x	f(x)
-5	16
-3	16
-1	16
2	16
5	16

+0
+0
+0

constant

12)

x	f(x)
2	40.5
3	27
4	18
5	12
6	8

÷1.5
÷1.5
÷1.5
÷1.5

exponential