

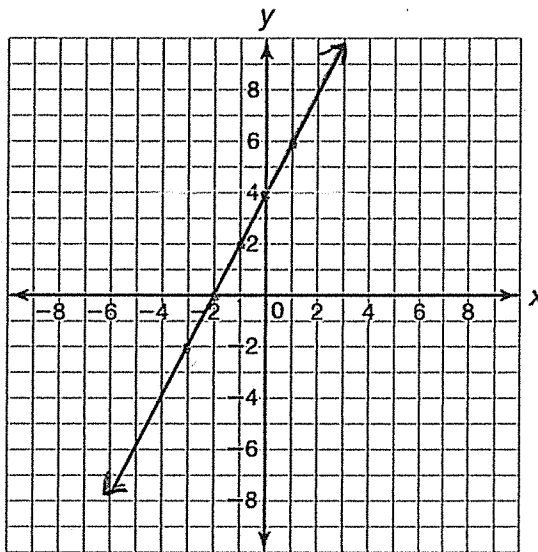
Comparing Linear and Quadratic Functions

Graph each table of values. Describe the type of function (linear or quadratic) represented by the graph.

1.

x	y
-3	-2
-2	0
-1	2
0	4
1	6

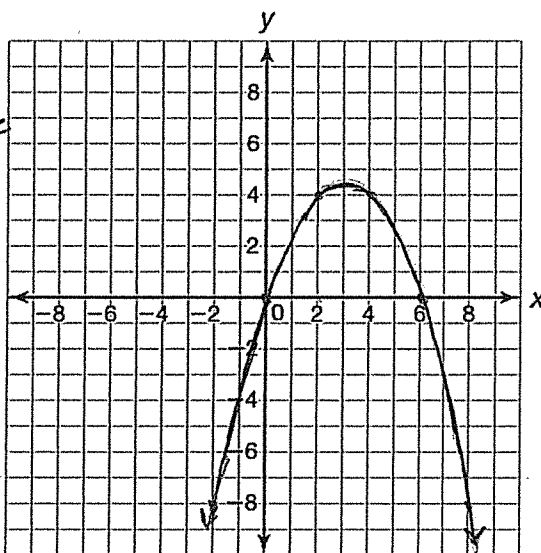
Linear function



2.

x	y
-2	-8
0	0
2	4
4	4
6	0

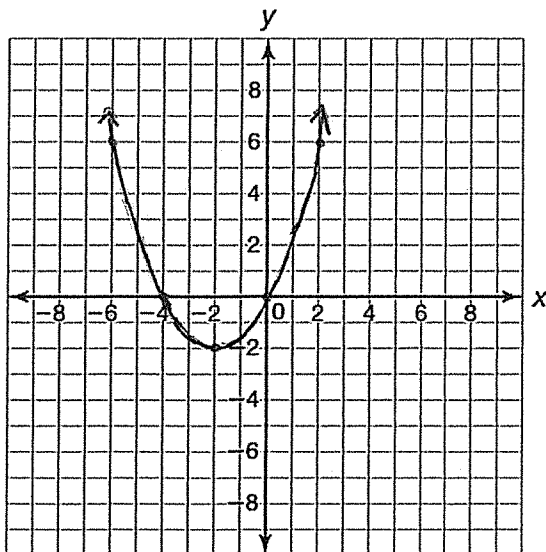
Quadratic function



3.

x	y
-6	6
-4	0
-2	-2
0	0
2	6

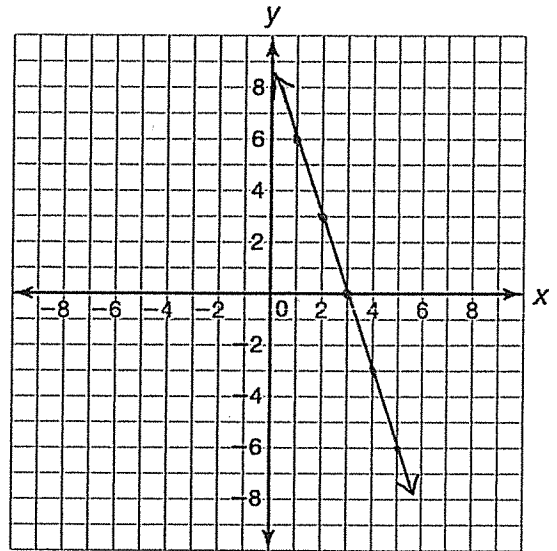
Quadratic function



4.

x	y
1	6
2	3
3	0
4	-3
5	-6

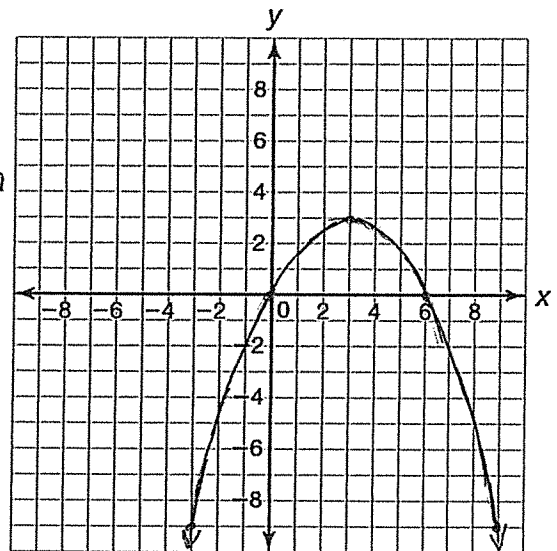
linear
function



5.

x	y
-3	-9
0	0
3	3
6	0
9	-9

Quadratic
function



6. How is the rate of change in a linear function different than the rate of change for a quadratic function?

The rate of change for a linear function is constant, but the rate of change for a quadratic function varies.