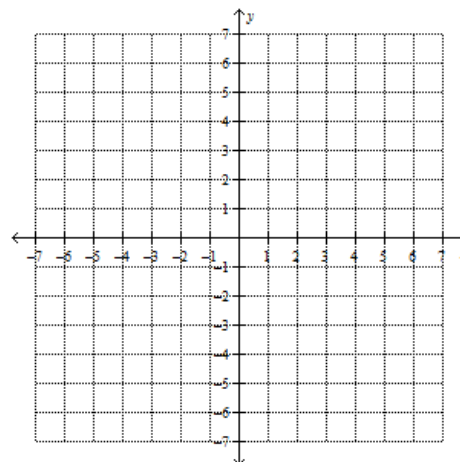


Lesson #1- Numerical, Graphical, and Algebraic Analysis of Functions

Given below are tables of values for different functions. Classify each function by type. Sketch a graph of the function. Then, state as many specific properties, including the equation if possible, of each function as you possibly can.

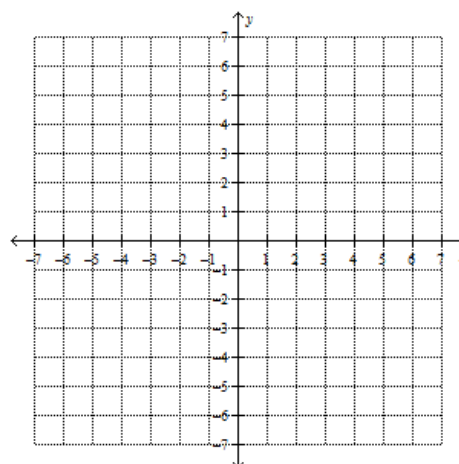
1.

x	-5	-1	0	3	5	9
$F(x)$	$\frac{1}{3}$	$-\frac{7}{3}$	-3	-5	$-\frac{19}{3}$	-9



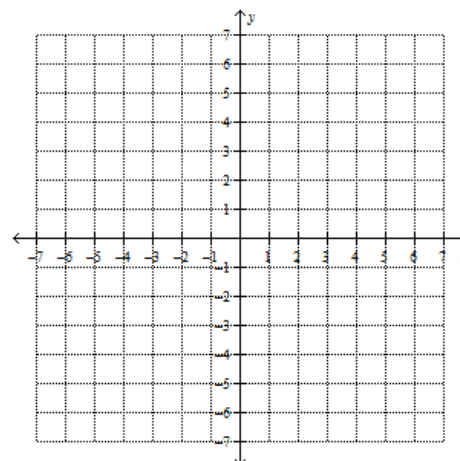
2.

x	-6	-4	-2	0	2	4
$G(x)$	5	1	-3	1	5	9



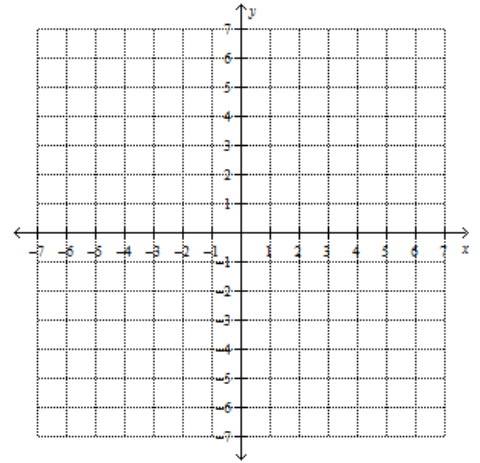
3.

x	-2	-1	0	1	2	3	4
$H(x)$	-5	0	3	4	3	0	-5



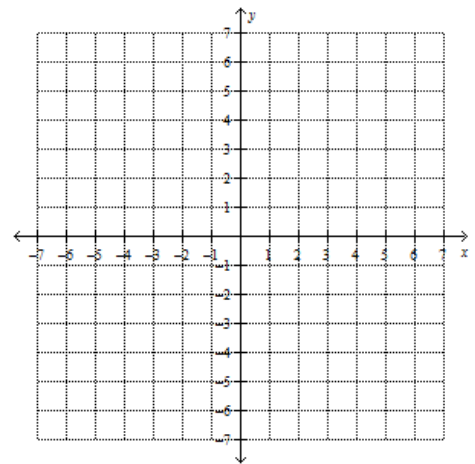
4.

x	-4	-3	-2	1	6	13
$J(x)$	Undefined	-2	-1	0	1	2



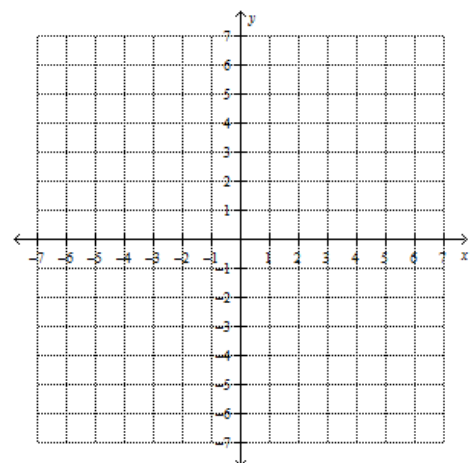
5.

x	-6	-3	-1	0	2	4	6	10
$K(x)$	3.0156	3.125	3.5	4	7	19	67	1027



6.

x	-11	-6	-1	0	2	4	6	10
$M(x)$	1.996	1.875	-2	-6	-30	-126	-510	-8190



7.

x	-1000	-3.001	-3	-2.999	0	0.999	1	1.001	1000
$N(x)$	-1.997	-1.250	Undefined	-1.249	1	2998	Undefined	-3002	-2.003

