

LESSON

4

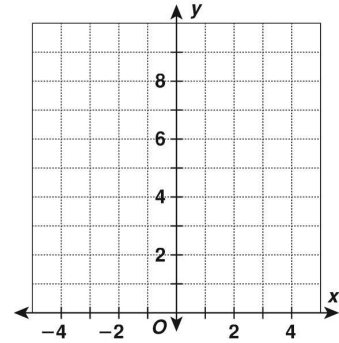
Graphs and Functions

Practice B: Functions

Complete the table and graph each function.

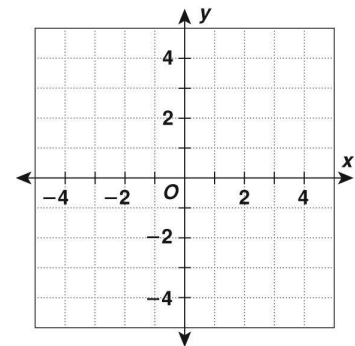
1. $y = -2x + 5$

x	$-2x + 5$	y
-2		
-1		
0		
1		
2		



2. $y = x - 2$

x	$x - 2$	y
-2		
-1		
0		
1		
2		



Determine if each relation represents a function.

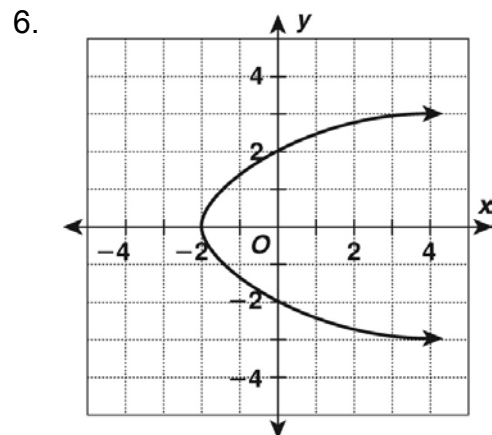
3. $y = \frac{1}{3}x - \frac{2}{5}$

4.

x	1	2	1	2
y	6	5	-6	-5

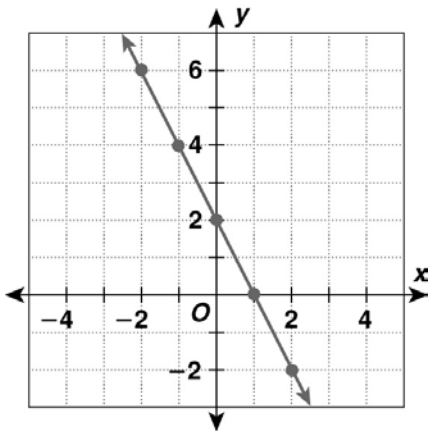
5.

x	y
0	0
1	-1
2	-8
3	-27
4	-64



3.

x	$-2x + 2$	y
-2	$-2(-2) + 2$	6
-1	$-2(-1) + 2$	4
0	$-2(0) + 2$	2
1	$-2(1) + 2$	0
2	$-2(2) + 2$	-2



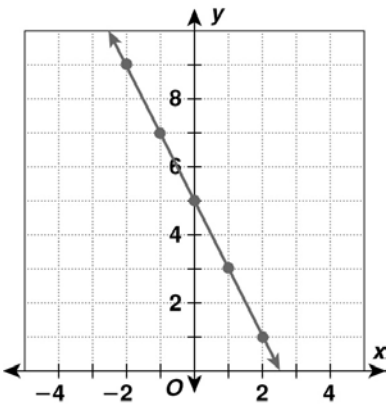
4. yes

5. no

Practice B

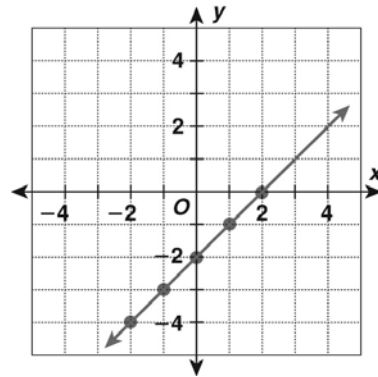
1.

x	$-2x + 5$	y
-2	$-2(-2) + 5$	9
-1	$-2(-1) + 5$	7
0	$-2(0) + 5$	5
1	$-2(1) + 5$	3
2	$-2(2) + 5$	1



2.

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



3. yes

4. no

5. yes

6. no

Practice C

1.

x	$-3x + 2$	y
-2	$-3(-2) + 2$	8
-1	$-3(-1) + 2$	5
0	$-3(0) + 2$	2
1	$-3(1) + 2$	-1
2	$-3(2) + 2$	-4

