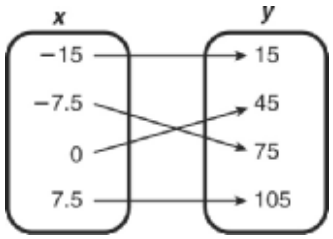
Name _____ Date _____ Class _____

LESSON 3-2

Practice B

Functions

Give the domain and range of each relation.

1. 

Domain: _____

Range: _____

2.

x	0.30	0.31	0.32	0.33	0.34
y	0	1	–2	3	–4

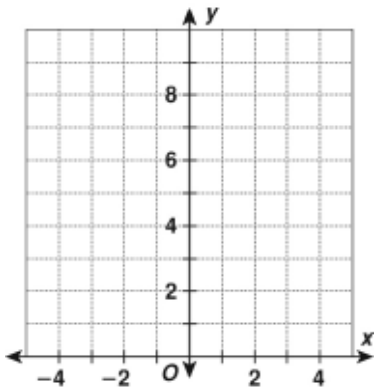
Domain: _____

Range: _____

Complete the table and graph each function.

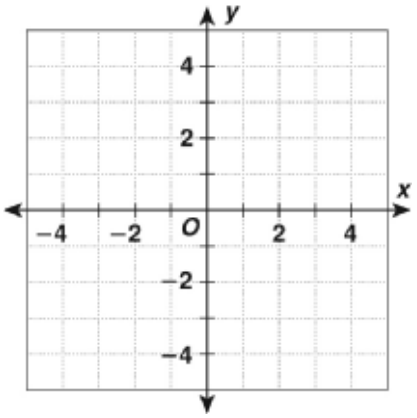
3. $y = -2x + 5$

x	$-2x + 5$	*y*
–2		
–1		
0		
1		
2		



4. $y = x - 2$

x	$x - 2$	*y*
–2		
–1		
0		
1		
2		

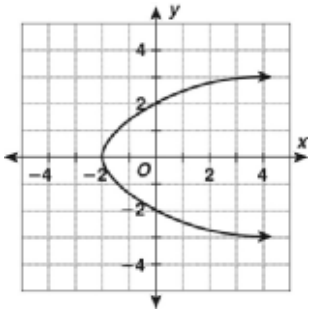


Determine if each relation represents a function.

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

6.

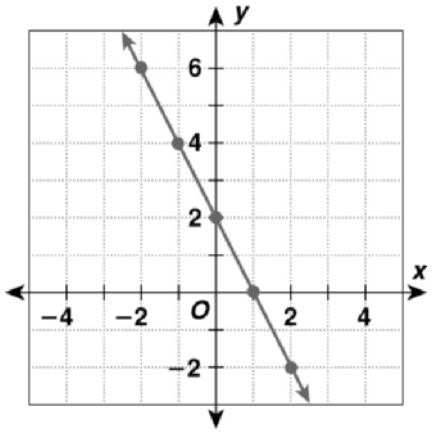
x	*y*
0	0
1	–1
2	–8
3	–27
4	–64

7. 

_____ _____ _____

5.

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

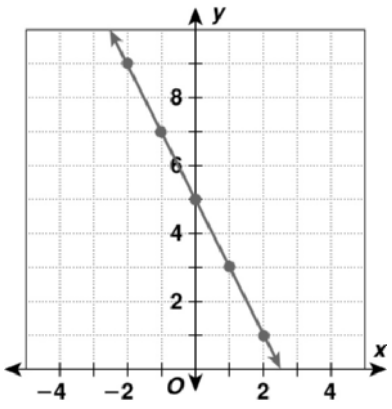


6. yes 7. no

Practice B

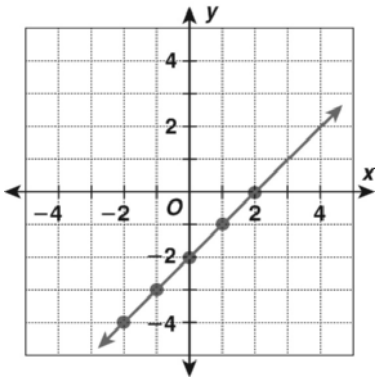
1. Domain: –15, –7.5, 0, 7.5
   Range: 15, 45, 75, 105
2. Domain: 0.30, 0.31, 0.32, 0.33, 0.34
   Range: –4, –2, 0, 1, 3
3.

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



4.

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



5. yes 6. yes
7. 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