Practice 8-4

Writing Rules for Linear Functions

Write a rule for each function.

1. _____
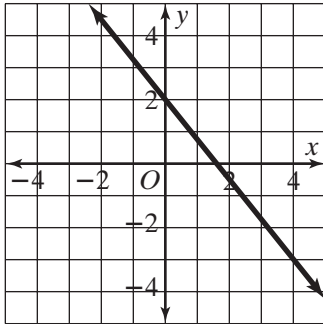
2. _____
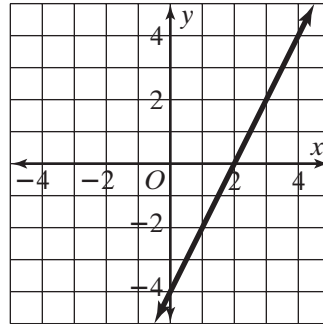
3. _____

x	$f(x)$
-3	18
-1	6
1	-6
3	-18

4. _____

x	$f(x)$
5	-2
7	0
9	2
11	4

5. _____

x	$f(x)$
-3	-17
-1	-11
1	-5
3	1

6. _____

x	$f(x)$
-4	4
0	6
2	7
4	8

Write a function rule to describe each situation.

7. The number of pounds $p(z)$ as a function of the number of ounces z.

_____

8. The selling price $s(c)$ after a 45% markup of an item as a function of the stores' cost c.

_____

9. The total number of miles $m(r)$ covered when you walk 7 miles before lunch, and you walk for 2 hours at r mi/hr after lunch.

_____