

Practice 11-3

Complete the table of input/output pairs for each function.

1. $y = 3x$

Input x	Output y
4	
8	
12	
16	

2. $z = 15n$

Input n	Output z
1	
2	
3	
	60

3. $d = 30 - s$

Input s	Output d
0	
5	
	20
	15

4. $h = 120 \div g$

Input g	Output h
2	
6	
	10
15	

5. $r = 2t - 1$

Input t	Output r
3	
9	
20	
	99

6. $p = 2v - 12$

Input v	Output p
	6
	40
43	
75	

Does each situation represent a function? Explain.

7. Input: the distance that needs to be biked

Output: the time it takes if you bike at 5 mph

8. Input: the time of day you go to the grocery store

Output: the cost of the groceries

Use the function rule $f(x) = 5x + 1$. Find each output.

9. $f(3)$

10. $f(-6)$

11. $f(8)$

12. $f(1.5)$

13. $f(25)$

14. $f(30)$

Use the function rule $f(n) = 4n^2 - 1$. Find each output.

15. $f(0)$

16. $f(1)$

17. $f(-1)$

18. $f(-2)$

19. $f(3)$

20. $f(2.5)$
