

Chapter 4 Review Answers

1. Independent: Size of envelope

Dependent: Cost to print envelope

2. Yes

3. No

4. Yes

5. $f(2) = 4$

6. No

7. No

8. No

9. Independent: # of hours Eric used the bicycle

Dependent: Cost to rent the bicycle

10. D: $1970 \leq x \leq 2000$

R: $1500 \leq y \leq 7000$

11. $f(7) = 59$

12. $f(x - 5) = 3x - 10$

13. $f(-4) = -5$

14. No

15. 4, -2, -8

16. $d = -7$

17. $A_n = -18 + 7(n - 1)$

18. $f(3) = -16$

19. R: $\{-1, 5, 14\}$

20. $R: \{-6, 0, 1, 2, 6\}$

21. $y = 2$

22. $f(4) = 17$

23. $f(-2) = -4$

24. $y = -2$

25. $D: \{-4, 0, 2, 5\}$
 $R: \{-2, 0, 1, 2, 3\}$

26. $D: 1991 \leq x \leq 1995$
 $R: 68 \leq y \leq 74$

27. 53, 61, 69

28. $d = 11$

29. $A_n = 4 - 7(n - 1)$

30.

x	f(x)
-2	13
-1	8
0	3
1	-2
2	-7

Answers may vary for the explanation.