

ANSWER PRESENTATION TOOL

Algebra 1 - Student Edit

3

1 - Exercises

4-24 even, :

ALL EVEN

Show Sol

ODD

4. not a function; The input 3 has two outputs, -8 and 6 .

6. function; Every input has exactly one output.

8. function; Every input has exactly one output.

10. not a function; Three vertical lines can be drawn through more than one point on the graph, including one through $(0, 2)$ and $(0, 4)$.

12. function; No vertical line can be drawn through more than one point on the graph.

14. domain: $-2, 0, 2, 4$; range: 3

16. domain: $2 < x < 7$; range: $1 < y < 6$

18. a. y is the dependent variable and x is the independent variable.

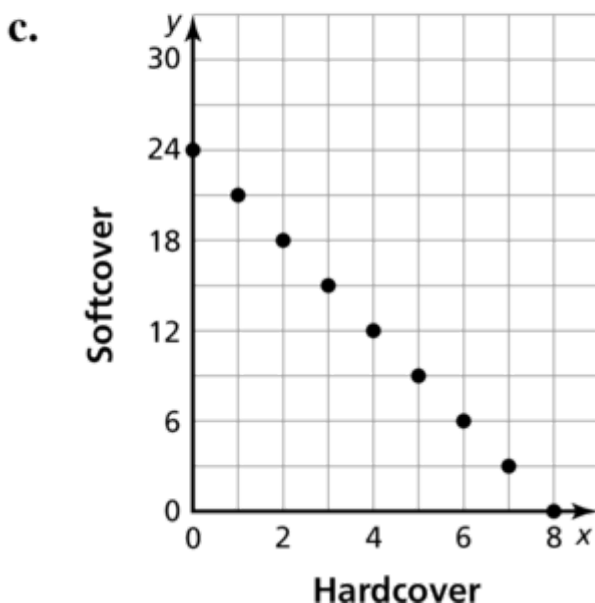
b. domain: $0 \leq x \leq 20$; range: $2.8 \leq y \leq 72.8$

20. The given list is the domain of the function; The range is 6, 7, 8, 9.

22. The battery power remaining is the dependent variable and the amount of time you listen is the independent variable.

24. a. $y = 24 - 3x$

b. $(0, 24), (1, 21), (2, 18), (3, 15), (4, 12), (5, 9), (6, 6), (7, 3), (8, 0)$



35. true

36. false; A relation is not a function when an input value has more than one output value.

44. $y < 16$

45. $3 \geq x$

$$46. 7 \leq \frac{d}{-5}$$

$$47. w + 4 > 12$$