

ANSWER PRESENTATION TOOL

Algebra 1 - Student Edit

10

1 - Exercises

1-4,6,10,14,

ALL EVEN

Show Sol

ODD

1. radical function

2. no; The independent variable is not in the radicand.

3. Describe the x -values for which the radicand is greater than or equal to 0.

4. vertical stretch; The y -coordinates increase by a factor of 1.25.

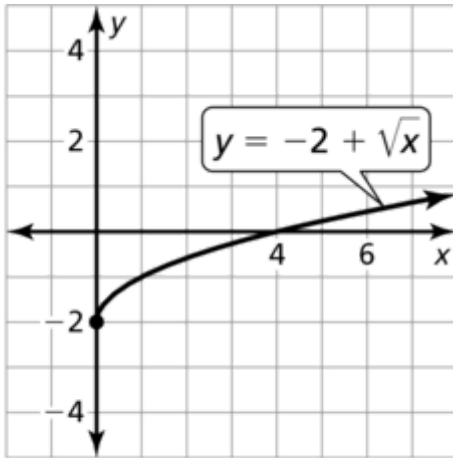
6. $x \geq 0$

10. $x \geq -7$

14. $x \leq -2$

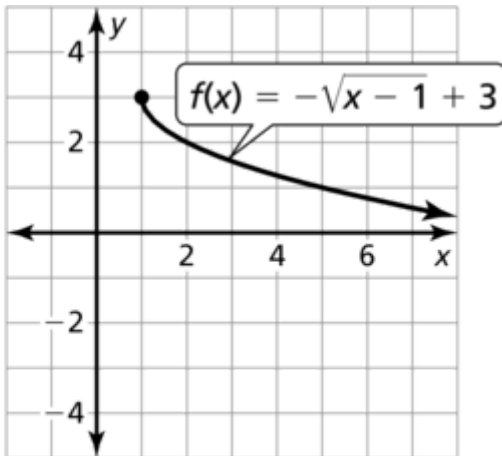
18. B; $y \geq 0$

22.



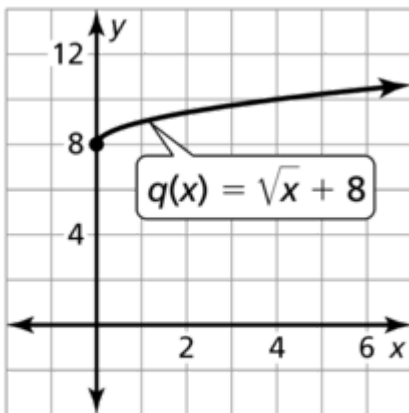
$$y \geq -2$$

26.



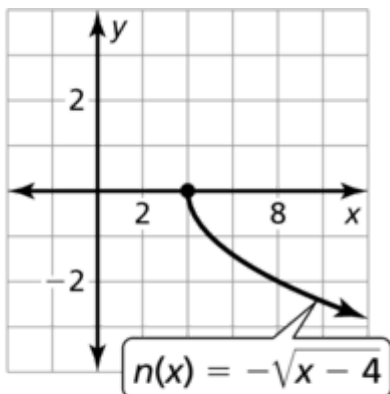
$$y \leq 3$$

30.



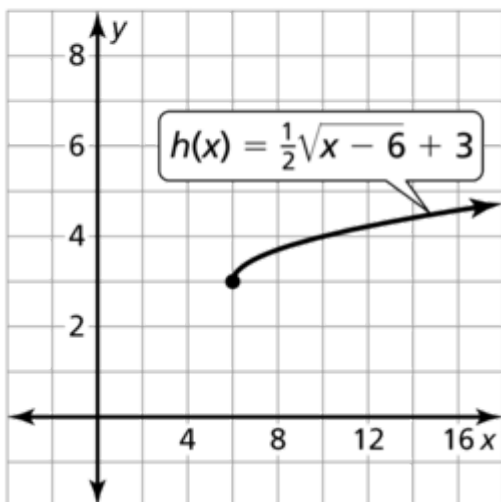
The graph of q is a translation 8 units up of the graph of f .

34.

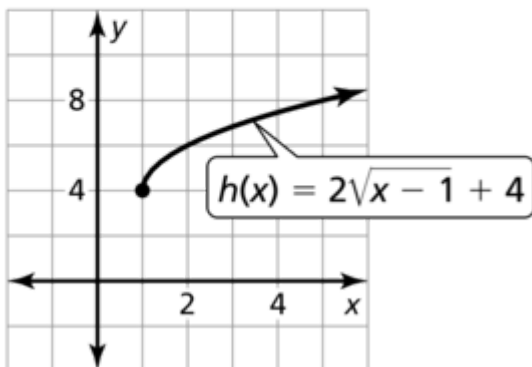


The graph of n is a translation 4 units right and a reflection in the x -axis of the graph of f .

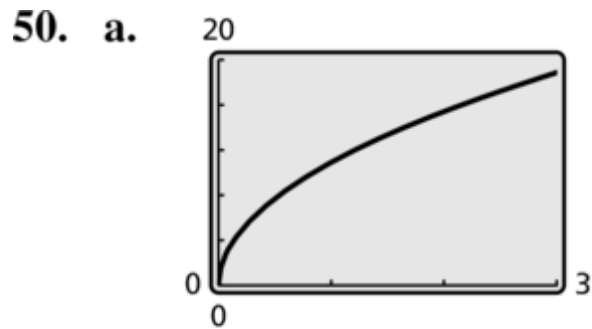
38. Translate 6 units right, shrink vertically by a factor of $\frac{1}{2}$, and translate 3 units up to obtain the graph of h .



42. Translate 1 unit right, stretch vertically by a factor of 2, and translate 4 units up to obtain the graph of h .



- 46.** From 0 to 6 joules, the velocity of Object A increases at an average rate of about 0.29 meter per second per joule and the velocity of Object B increases at an average rate of about 0.33 meter per second per joule.



about 0.71 m

- b.** The graph of s would be translated up.

- 54. a.** B; This is the graph of the parent square root function, $f(x) = \sqrt{x}$, translated 2 units up.
- b.** D; This is the graph of $f(x)$ translated 4 units down.
- c.** C; This is the graph of $f(x)$ reflected in the y -axis.
- d.** A; This is the graph of $f(x)$ with a horizontal shrink.

58. 7

62. $(d - 4)(d - 7)$