

ANSWER PRESENTATION TOOL

Algebra 1 - Student Edit

8

2 - Exercises

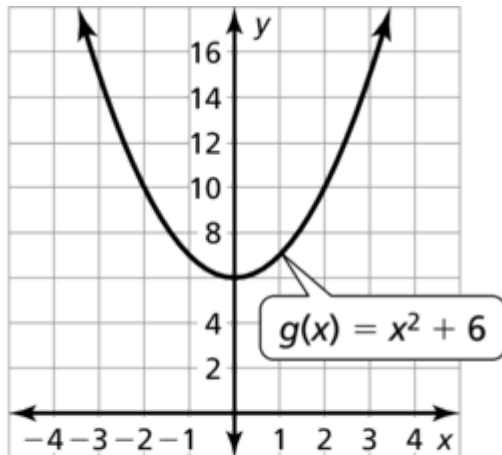
3, 6-8, 17-2:

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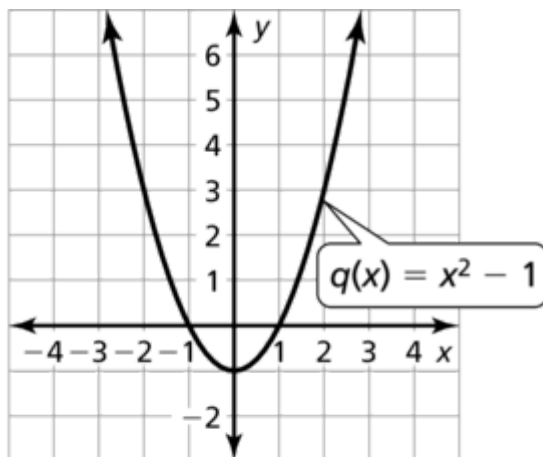
ODD

3.

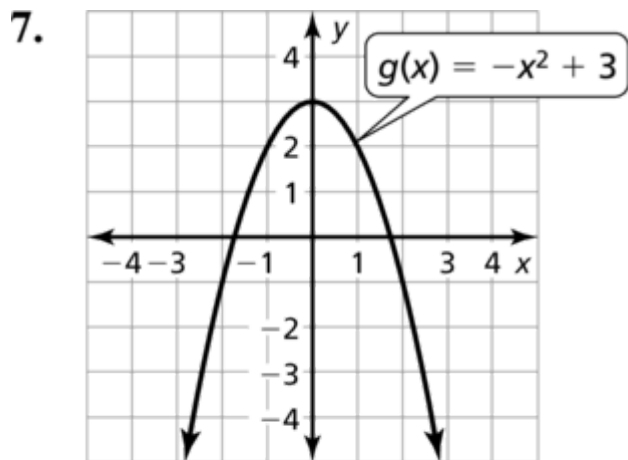


The graph of g is a vertical translation 6 units up of the graph of f .

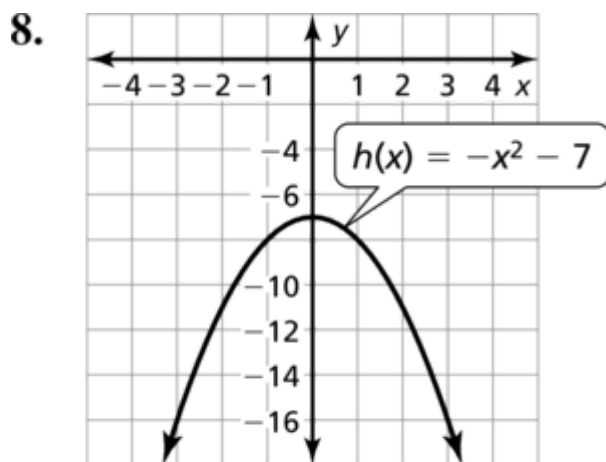
6.



The graph of q is a vertical translation 1 unit down of the graph of f .



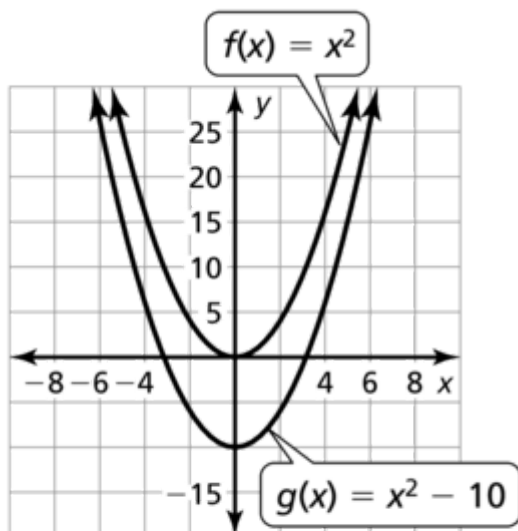
The graph of g is a reflection in the x -axis, and a vertical translation 3 units up of the graph of f .



The graph of h is a reflection in the x -axis, and a vertical translation 7 units down of the graph of f .

17. The graph of $y = 3x^2 + 2$ is narrower, so it should be a stretch not a shrink; The graph of $y = 3x^2 + 2$ is a vertical stretch by a factor of 3 and a translation 2 units up of the graph of $y = x^2$.

18. $g(x)$ is not graphed correctly;



Both graphs open up and have the same axis of symmetry. However, the vertex of the graph of g , $(0, -10)$, is 10 units below the vertex of the graph of f , $(0, 0)$.

19. $x = 1, x = -1$

20. $x = 6, x = -6$

21. $x = 5, x = -5$

22. $x = 7, x = -7$

28. The x -intercept is 1.5. This means the apple hits the ground after 1.5 seconds. The y -intercept is 36. This means the apple fell from a height of 36 feet.

29. *Sample answer:*

