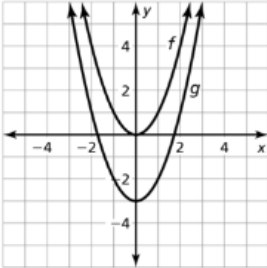


Answers to Algebra 2 L2.1 Describing Transformations of Quadratics Pg 52, #1-24

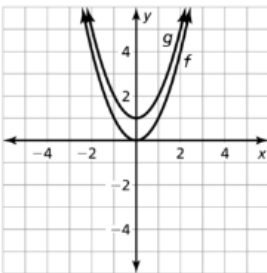
1. parabola

2. $(-2, -4)$

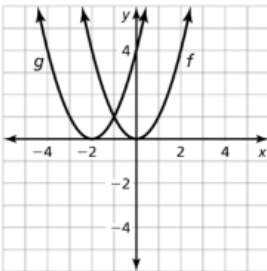
3. The graph of g is a translation 3 units down of the graph of f .



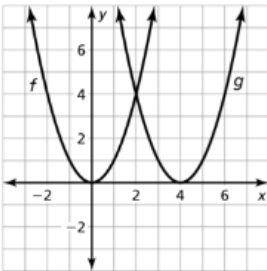
4. The graph of g is a translation 1 unit up of the graph of f .



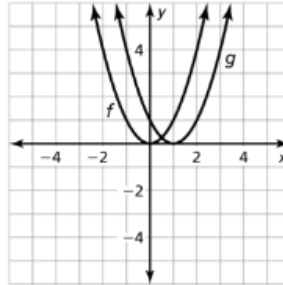
5. The graph of g is a translation 2 units left of the graph of f .



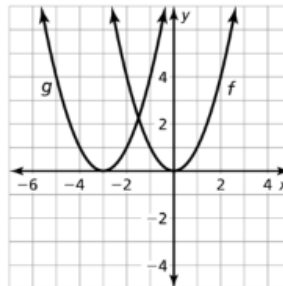
6. The graph of g is a translation 4 units right of the graph of f .



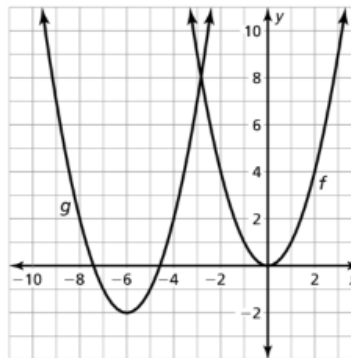
7. The graph of g is a translation 1 unit right of the graph of f .



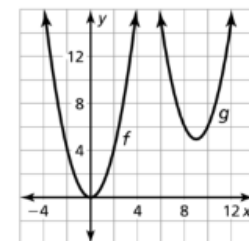
8. The graph of g is a translation 3 units left of the graph of f .



9. The graph of g is a translation 6 units left and 2 units down of the graph of f .

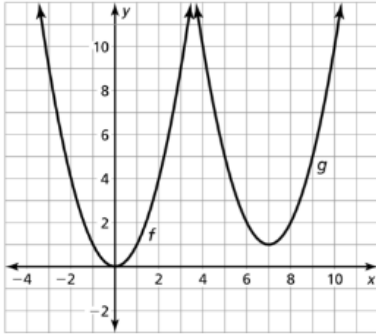


10. The graph of g is a translation 9 units right and 5 units up of the graph of f .

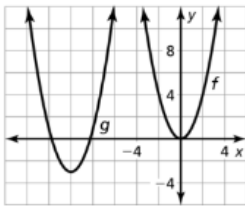


Answers to Algebra 2 L2.1 Describing Transformations of Quadratics Pg 52, #1-24

11. The graph of g is a translation 7 units right and 1 unit up of the graph of f .



12. The graph of g is a translation 10 units left and 3 units down of the graph of f .



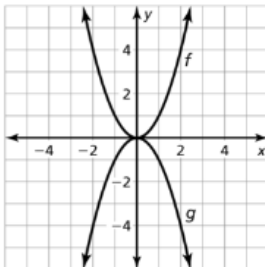
13. A; The graph has been translated 1 unit right.

14. D; The graph has been translated 1 unit up.

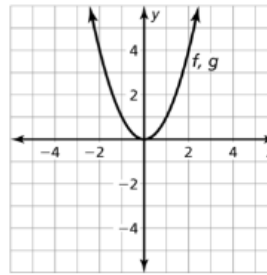
15. C; The graph has been translated 1 unit right and 1 unit up.

16. B; The graph has been translated 1 unit left and 1 unit down.

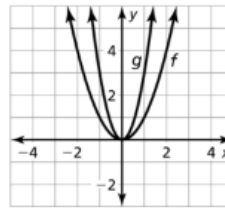
17. The graph of g is a reflection in the x -axis of the graph of f .



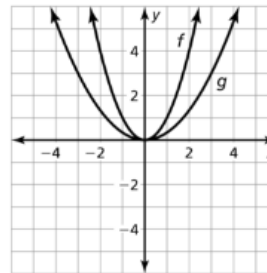
18. The graph of g is a reflection in the y -axis of the graph of f .



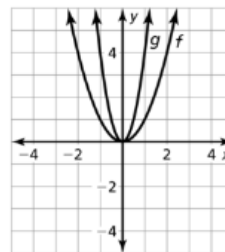
19. The graph of g is a vertical stretch by a factor of 3 of the graph of f .



20. The graph of g is a vertical shrink by a factor of $\frac{1}{3}$ of the graph of f .

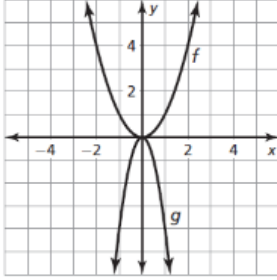


21. The graph of g is a horizontal shrink by a factor of $\frac{1}{2}$ of the graph of f .

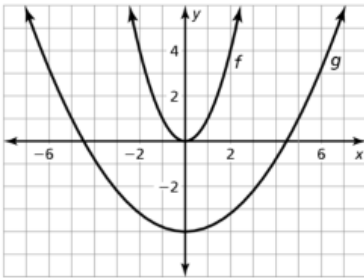


Answers to Algebra 2 L2.1 Describing Transformations of Quadratics Pg 52, #1-24

22. The graph of g is a horizontal shrink by a factor of $\frac{1}{2}$ followed by a reflection in the x -axis of the graph of f .



23. The graph of g is a vertical shrink by a factor of $\frac{1}{5}$ followed by a translation 4 units down.



24. The graph of g is a vertical shrink by a factor of $\frac{1}{2}$ followed by a translation 1 unit right.

