Name Date

Review 1.1 And 1.2

1.1

Identify the function that matches the given description   
of the graph.

1. vertical shrink of the linear function
2. vertical shrink followed by a translation 1 unit down of the linear function
3. reflection in the *x*-axis followed by a vertical stretch and a translation 3 units right of the absolute value function
4. vertical stretch followed by a translation 7 units down of the linear function
5. translation 1 unit down of the quadratic function
6. vertical stretch of the linear function
7. reflection in the *x* -axis followed by a translation 1 unit up of the quadratic function
8. reflection in the *x* -axis followed by a vertical stretch and a translation 4 units up of the absolute value function
9. vertical stretch followed by a translation 3 units down of the linear function
10. reflection in the *x*-axis of the quadratic function
11. vertical stretch of the absolute value function
12. translation 1 unit left and 2 units up of the quadratic function
13. translation 5 units right and 3 units up of the absolute value function

Write a function *g* whose graph represents the indicated transformation of the graph of *f*.

1.  translation 3 units left

2.  translation 5 units right

3.  translation 2 units up

4.  reflection in the *x*-axis

5.  reflection in the *y*-axis

6.  horizontal shrink by a factor of 

7.  vertical stretch by a factor of 4

Write a function *g* whose graph represents the indicated transformation of the graph of *f*.

8.  vertical stretch by a factor of 3 followed   
by a translation 2 units down

9.  translation 1 unit up followed by a vertical shrink by a factor of 

10.  reflection in the *x*-axis followed by a translation 2 units right

11.  vertical shrink by a factor of followed   
by a translation 5 units up and 1 unit left