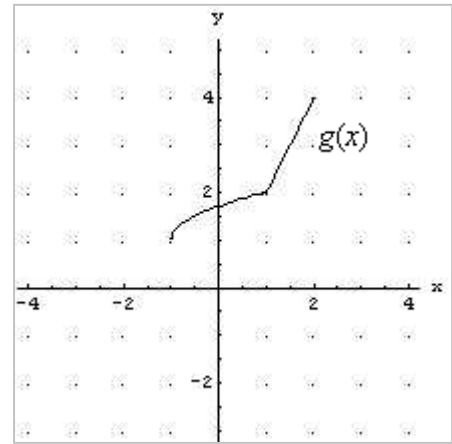


# Transformations of a $g(x)$

The complete graph of  $g(x)$  is given to the right:



Match the graphs with the algebraic representations of the transformations.

Write the letter of the appropriate graph in the box containing the appropriate algebraic expression. If no graph matches a given expression, write "NONE."

1. $\frac{1}{2}g(x)$ <b>H</b>	4. $g( x )$	7. $2g(x)$	10. $g^{-1}(x)$	13. $g(2x)$
2. $g(-x)$	5. $g[g^{-1}(x)]$	8. $ g(x) $	11. $g(x)+1$	14. $g(2x+2)$
3. $g(x-2)$	6. $g(\frac{1}{2}x)$	9. $g(x)-3$	12. $g(x+1)$	15. $g^{-1}[g(x)]$

<p>A.</p>	<p>B.</p>	<p>C.</p>
<p>D.</p>	<p>E.</p>	<p>F.</p>
<p>G.</p>	<p>H.</p>	<p>I.</p>
<p>L.</p>	<p>M.</p>	<p>N.</p>

