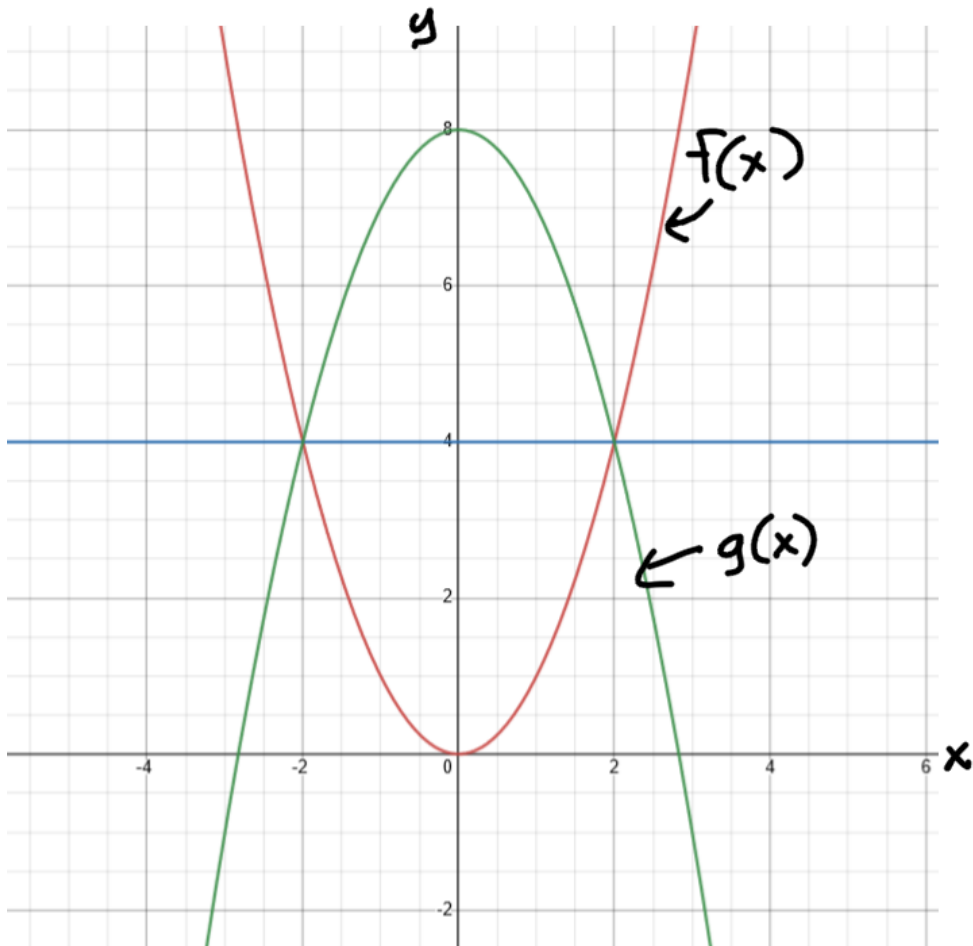


The Math Dawg: Function Reflections Using $f(x)$ Function Notation_1

1. For the diagram below write $g(x)$ as a function of $f(x)$ three ways.



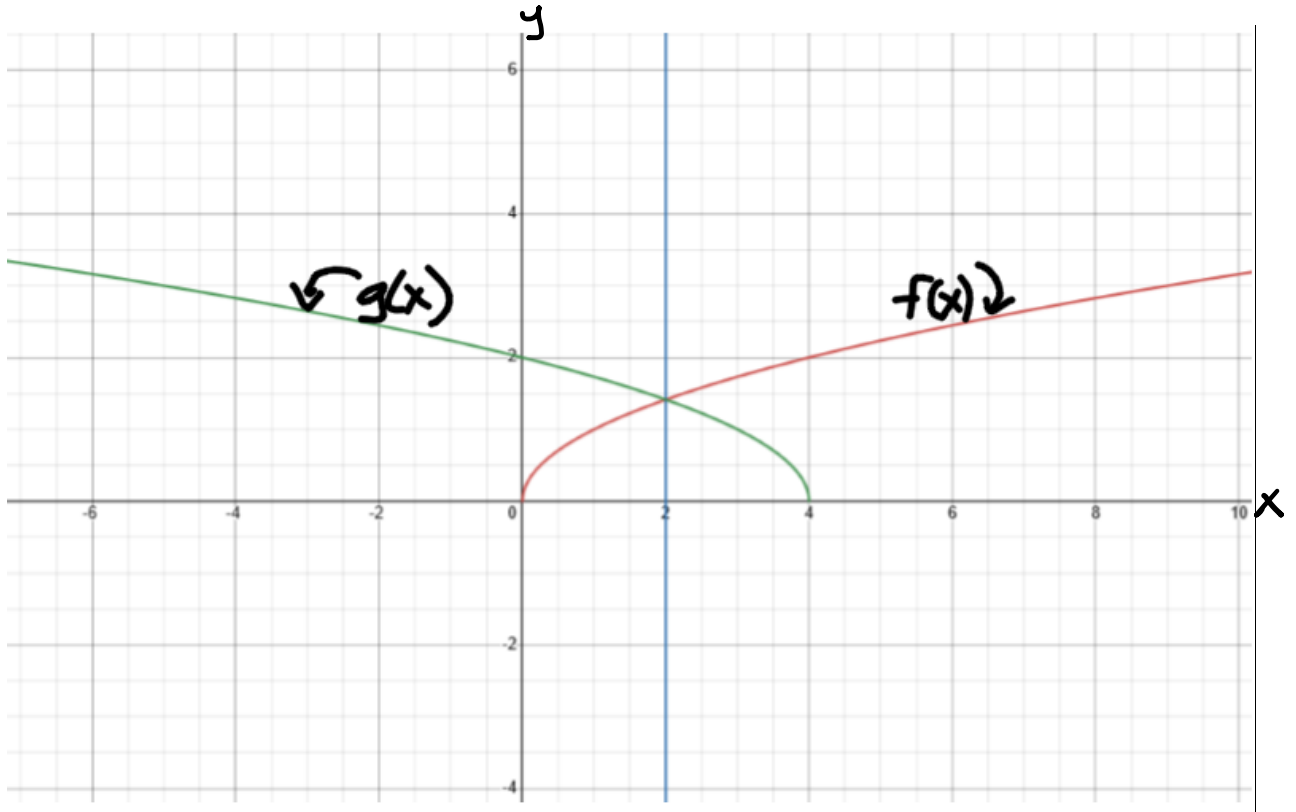
a. $g(x)$ is a function of $f(x)$

b. $g(x)$ as a function of x

c. $(x, y) \rightarrow (\quad , \quad)$

The Math Dawg: Function Reflections Using $f(x)$ Function Notation_1

2. For the diagram below write $g(x)$ as a function of $f(x)$ three ways.



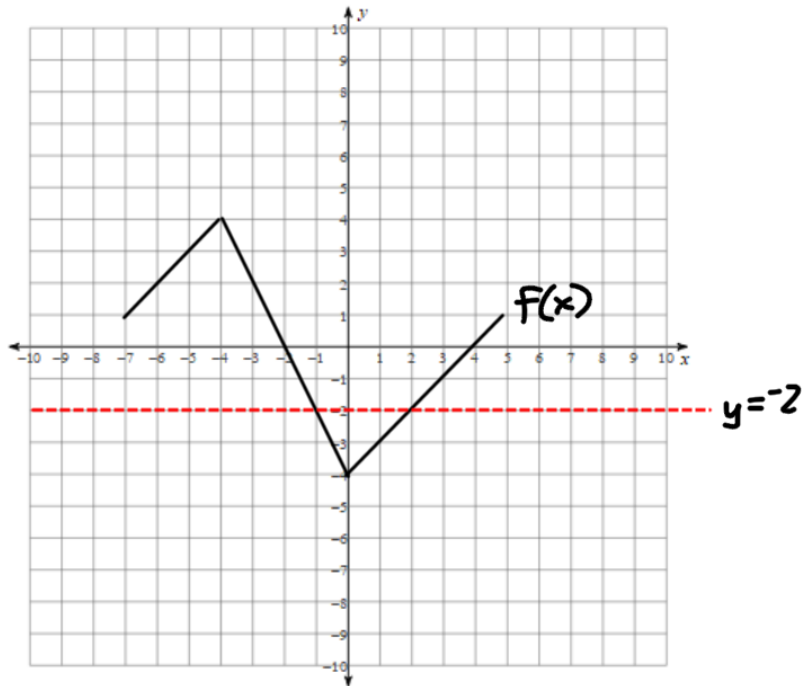
d. $g(x)$ is a function of $f(x)$

e. $g(x)$ as a function of x

f. $(x,y) \rightarrow (\quad , \quad)$

The Math Dawg: Function Reflections Using $f(x)$ Function Notation_1

3. Reflect the function $f(x)$ shown below over the line $y = -2$ on the grid provided and write the reflection two different ways. Call the new function $g(x)$.

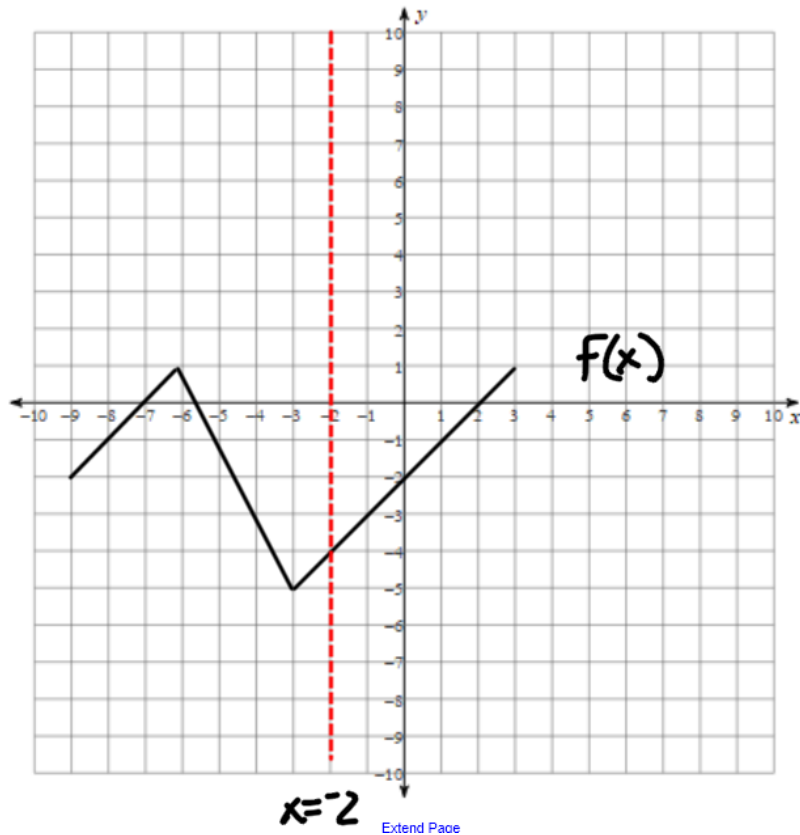


a. $g(x)$ as a function of $f(x)$

b. $(x, y) \rightarrow (\quad , \quad)$

The Math Dawg: Function Reflections Using $f(x)$ Function Notation_1

4. Reflect the function $f(x)$ shown below over the line $x = -2$ on the grid provided and write the reflection two different ways. Call the new function $g(x)$.



c. $g(x)$ as a function of $f(x)$

d. $(x, y) \rightarrow (\quad , \quad)$