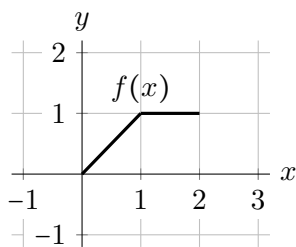
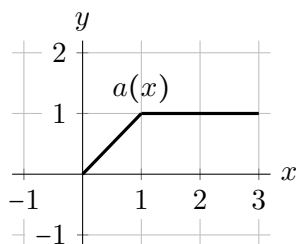


4. [6 points] The entire graph of $f(x)$ is shown below. For each subsequent graph shown below, write a formula for the graph shown in terms of $f(x)$. That is, write the formula as a transformation of $f(x)$. Or if it cannot be written as a transformation of $f(x)$, write N/A.

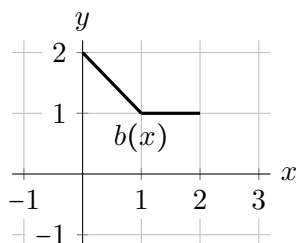


(a)



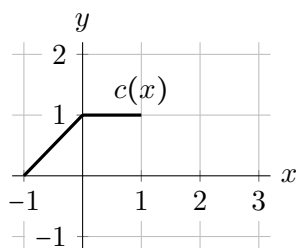
$$a(x) = \underline{\hspace{2cm}}$$

(b)



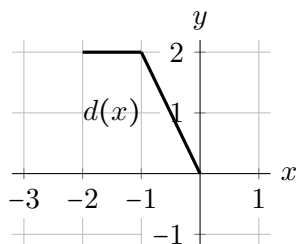
$$b(x) = \underline{\hspace{2cm}}$$

(c)



$$c(x) = \underline{\hspace{2cm}}$$

(d)



$$d(x) = \underline{\hspace{2cm}}$$