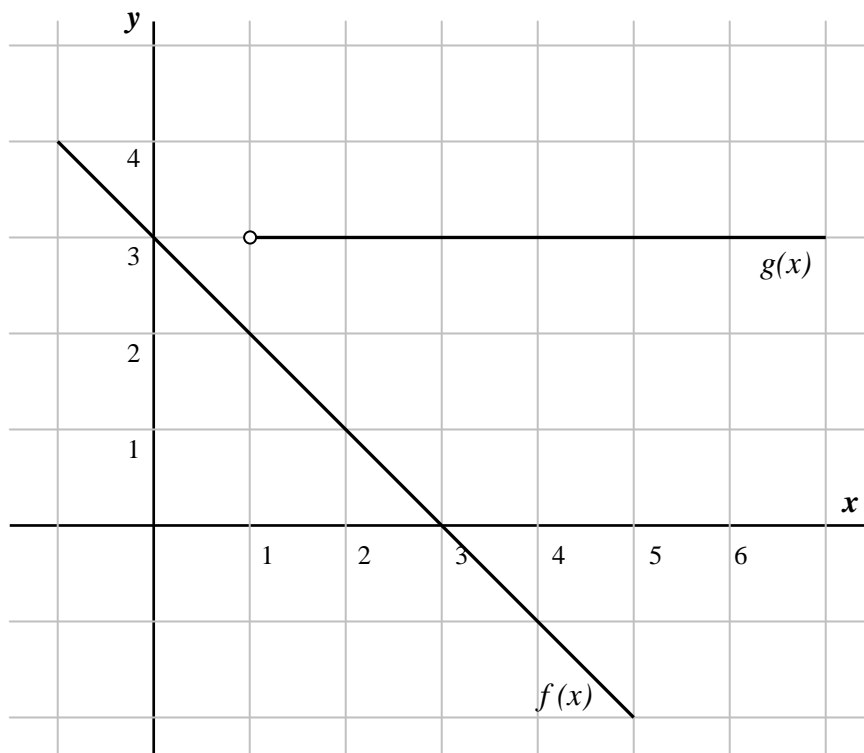


Math 173 – Section 2.2: Algebra of Functions

Consider the functions $f(x)$ and $g(x)$ as shown in the following graph.



Sketch on the graph the function $(f+g)(x)$.

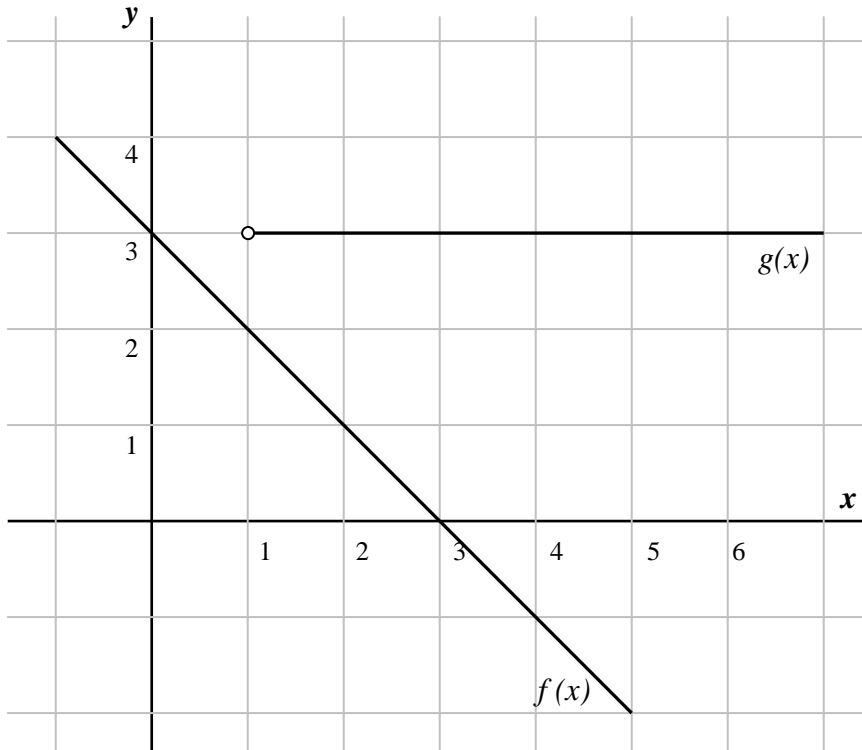
Now, give the domain of

$f(x)$: _____

$g(x)$: _____

$(f+g)(x)$: _____

Consider the functions $f(x)$ and $g(x)$ again.



Sketch the graph of $(g - f)(x)$.

Also, give the domain of

$(g - f)(x)$: _____

$(g / f)(x)$: _____

$(f/g)(x)$: _____