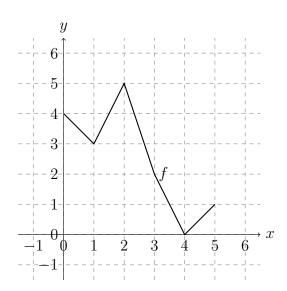
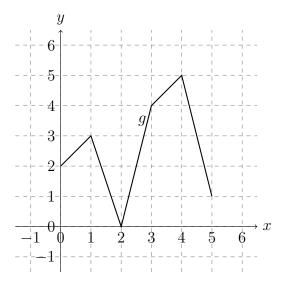
MATH19501 Quiz 3 - Winter 25

Name:	EMPLID:
September 19th, 2024 Answe	er all 2 questions. You must show all of your work as neatly
	indicate the final answer in the provided region for each graph questions, you should sketch your graph on the grid
1. Let $f(x) = x^2 + 1$ and $g(x)$	$x) = \sqrt{x+2}.$
(a) Find $f(g(x))$. Simplify ye	our answer. Write your answer in the box below:
(b) Find $g(f(x))$. Simplify yo	our answer. Write your answer in the box below:

2. Use the graphs to evaluate the expressions below.





(a) Find f(g(3)). Write your answer in the box below:



(b) Find g(f(1)). Write your answer in the box below:



(c) Find f(f(5)). Write your answer in the box below:



(d) Find g(g(2)). Write your answer in the box below:

