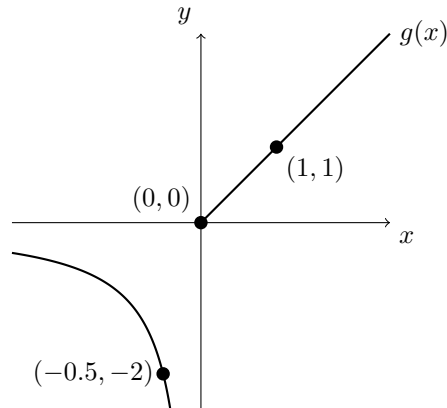
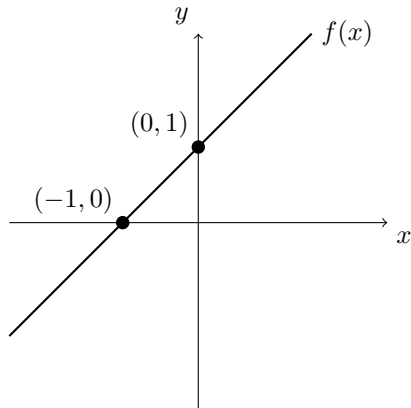
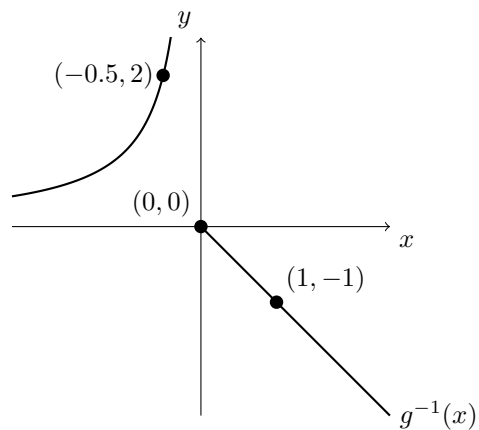
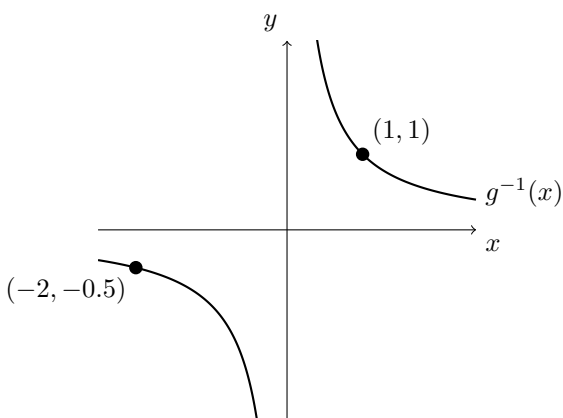
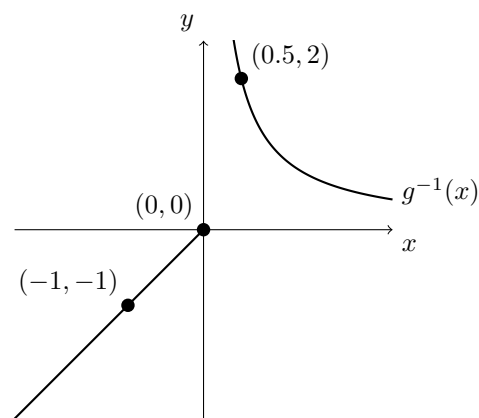
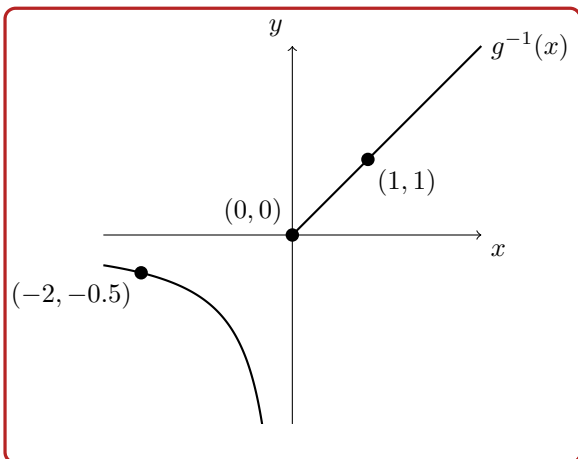


11. [5 points] A portion of the graphs of  $y = f(x)$  and  $y = g(x)$  are given below. **You do not need to show any work for this problem.**

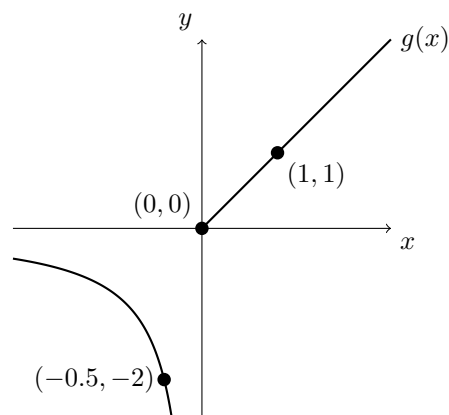
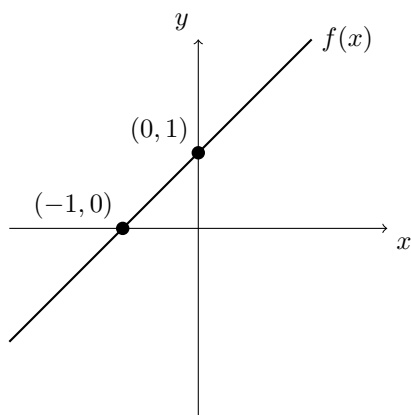


a. [2 points] Assume that  $g(x)$  is an invertible function. Which of the following could be the graph of  $y = g^{-1}(x)$ ? **Circle exactly one of the four graphs below.**



THIS PROBLEM CONTINUES ON THE NEXT PAGE

The graphs of  $y = f(x)$  and  $y = g(x)$  from the previous page have been reproduced below for your convenience.



- b. [3 points] Which of the following could be the graph of  $y = g(f(x))$ ? Circle exactly one of the four graphs below.

