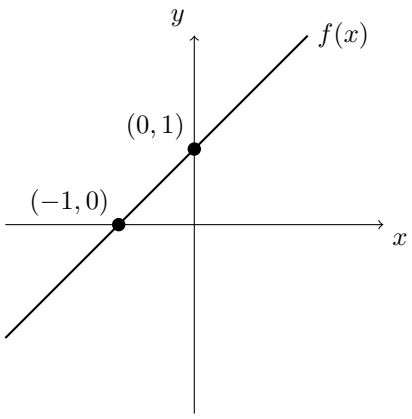
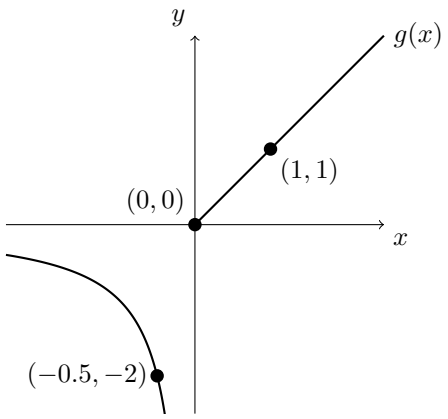
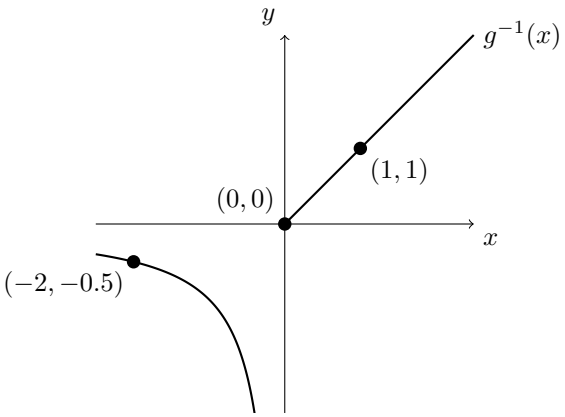
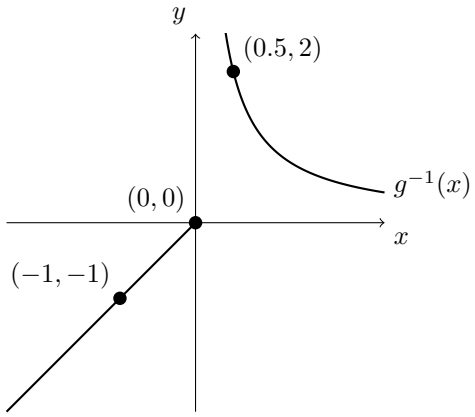
11. [5 points] A portion of the graphs of $y = f(x)$ and $y = g(x)$ are given below. **You do not need to show any work for this problem.**

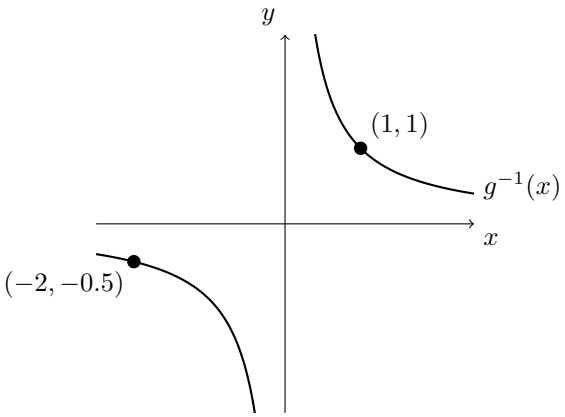


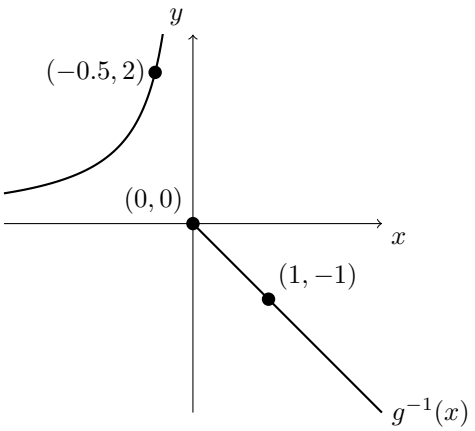


a. [2 points] Assume that $g(x)$ is an invertible function. Which of the following could be the graph of $y = g^{-1}(x)$? **Circle exactly one of the four graphs below**.



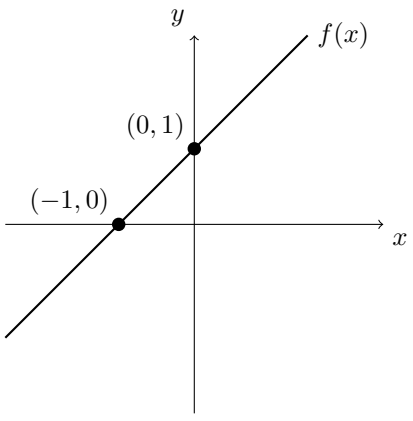


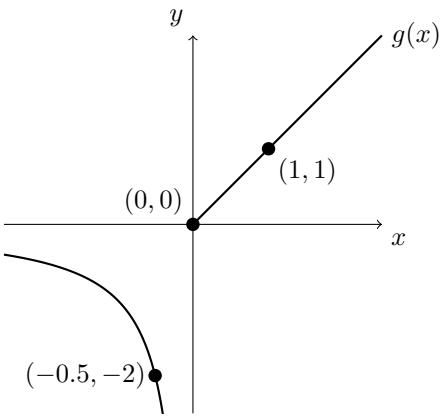




This problem continues on the next page

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**.