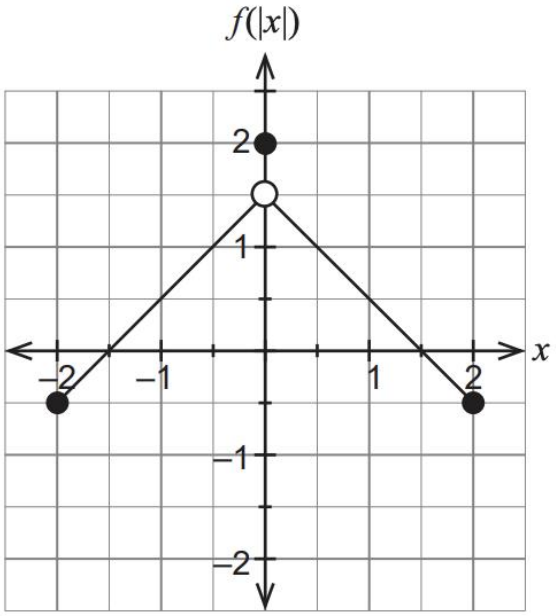
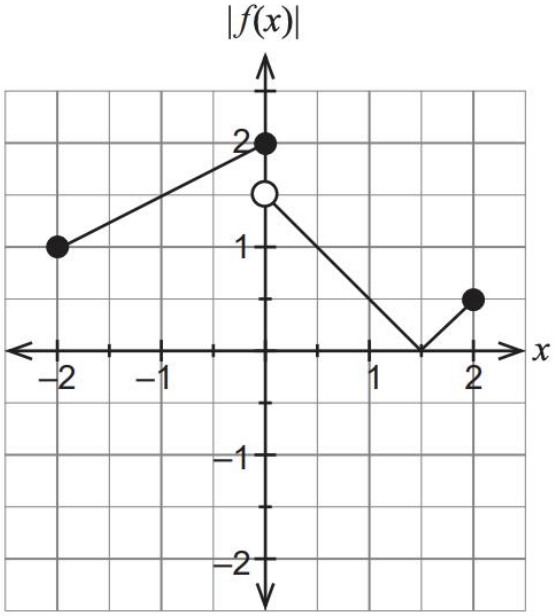
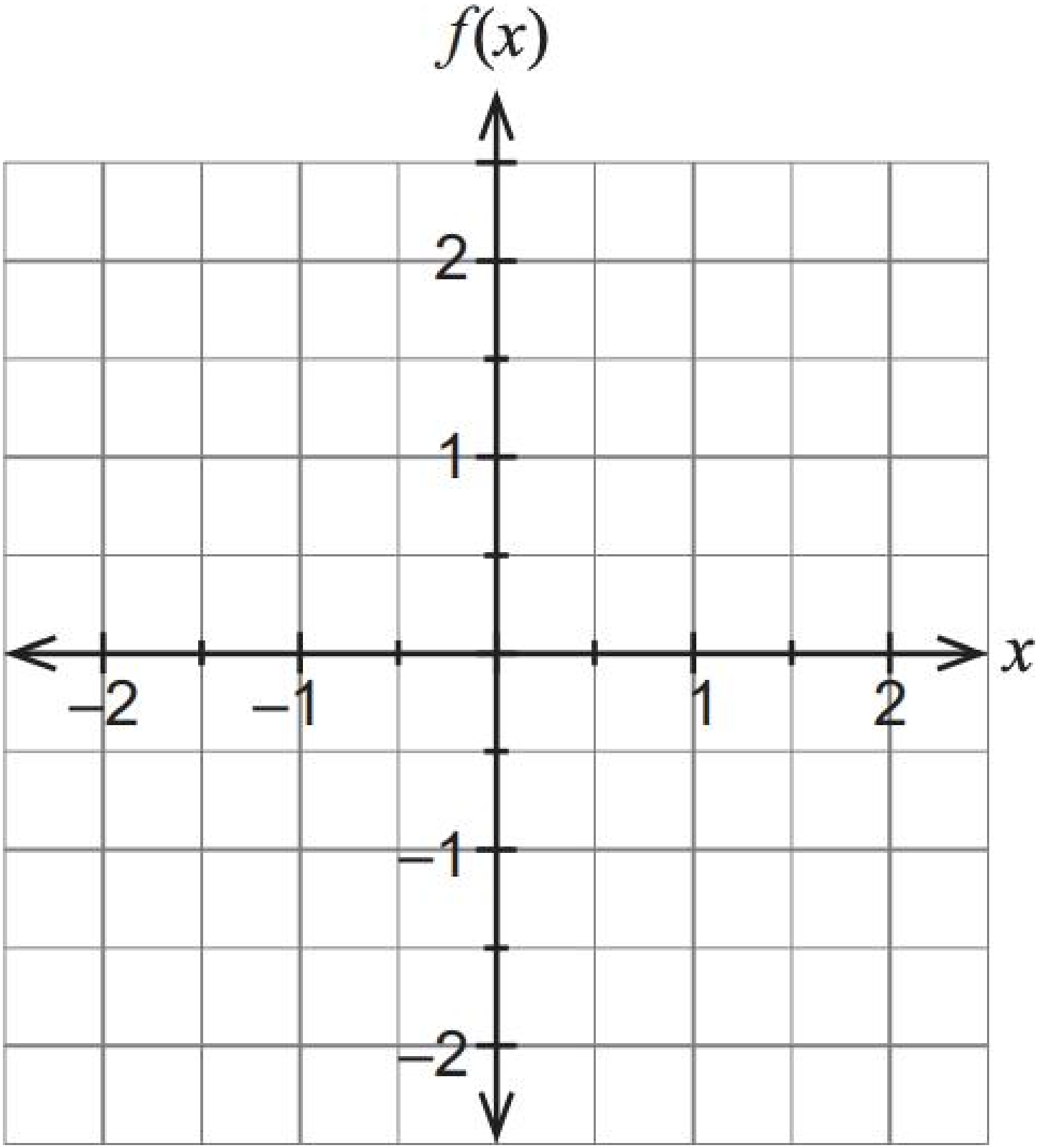
Question 7 **(4 marks)**

The graphs of $y = f(|x|)$ and $y = |f(x)|$ are shown below.





Given that $y = f^{-1}(x)$ is also a function, sketch a possible graph for $y = f(x)$ on the axes below. Justify your answer considering $y = f^{-1}(x)$.


f(x)
x
2
1
−1
−2
−2
−1
1
2