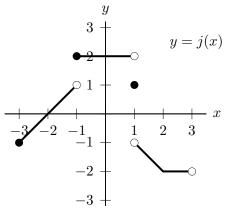
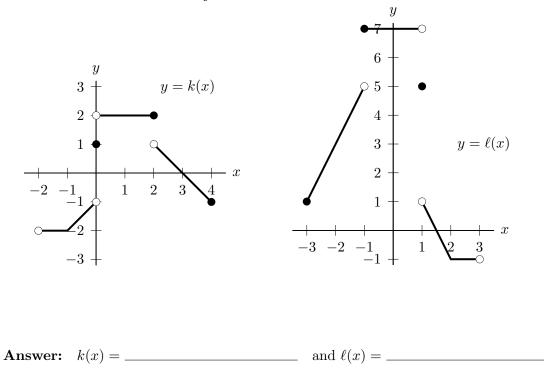
11. [6 points] Below is the graph of a function j(x).



The graphs below show two other functions k(x) and $\ell(x)$ which are transformations of j(x). Write a formula for each in terms of j and x.



- 12. [3 points] Find a formula for one polynomial p(x) that satisfies both of the following properties.
 - The degree of p(x) is at least 5.
 - The domain of the function $\ln(p(x))$ is the interval $(-\infty, \infty)$.

Note that this problem may have more than one correct answer. You only need to find one correct answer.

Answer: p(x) =_____