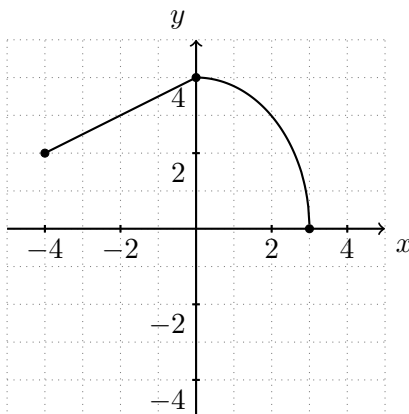
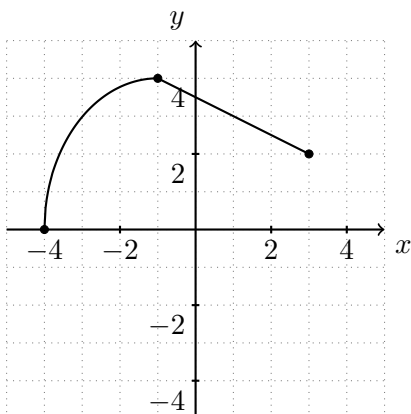


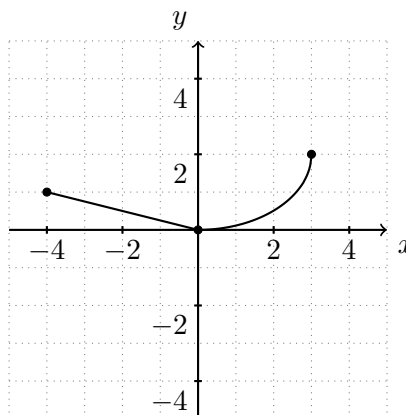
7. [8 points] Consider the following graph of a function $y = q(x)$ defined on $[-4, 3]$.



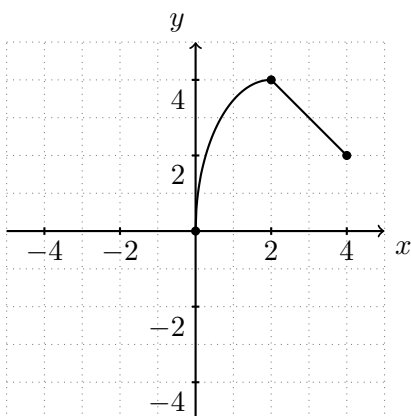
For each of the following graphs, if the graph is not a combination of shifts, stretches, compressions and reflections of the graph of $y = q(x)$, write NOT A TRANSFORMATION. Otherwise, write a formula for the function corresponding to graph in terms of $q(x)$.



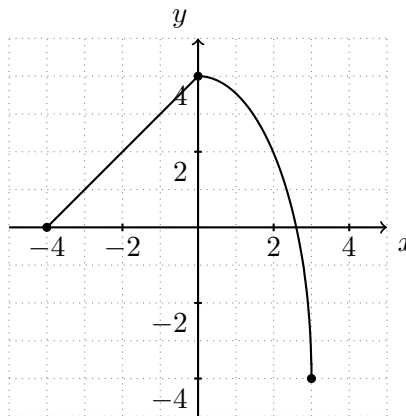
This is the graph of
 $y = \underline{q(-(x + 1))}$.



This is the graph of
 $y = \underline{-\frac{1}{2}q(x) + 2}$.



This is the graph of
 $y = \underline{\text{NOT A TRANSFORMATION}}$.



This is the graph of
 $y = \underline{2q(x) - 4}$.