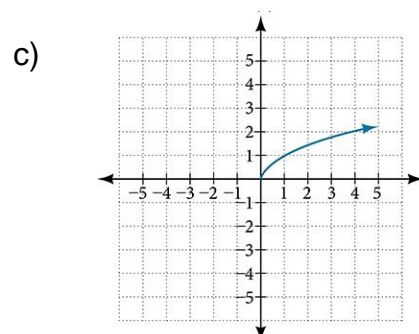
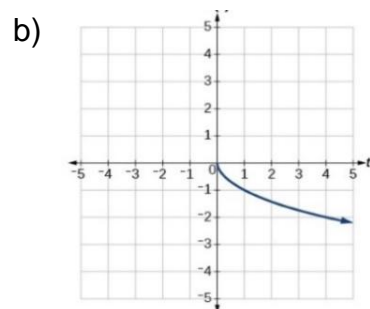
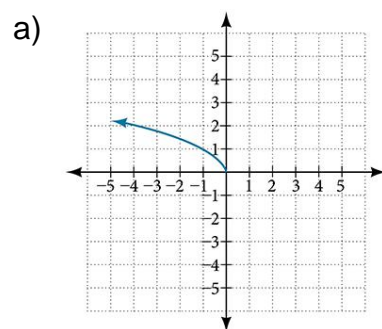
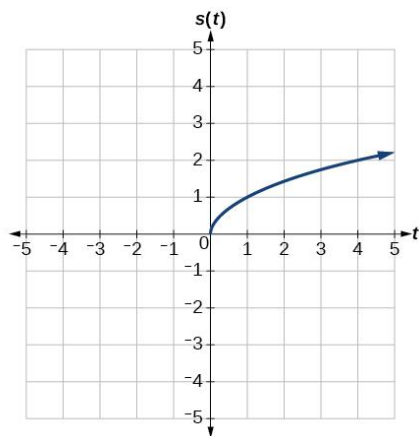


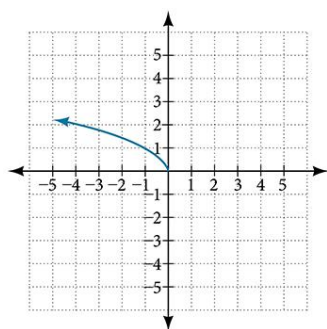
1.5 Answer Key

Practice 5-3-1:

Given the graph $s(t) = \sqrt{t}$, select the correct graph the transformed function $s(t) = \sqrt{-t}$



d)



When we compare the given function with the transformed function, we see that the independent variable t in this question has the opposite sign. Thus, the function reflects horizontally.

We can also use specific points to support this.

For example, the original graph has the points $(0, 0)$, $(1, 1)$, and $(4, 2)$. Based on the transformed function, we can find the corresponding new points: $(0, 0)$, $(-1, 1)$, and $(-4, 2)$.

Thus, the answer is d.