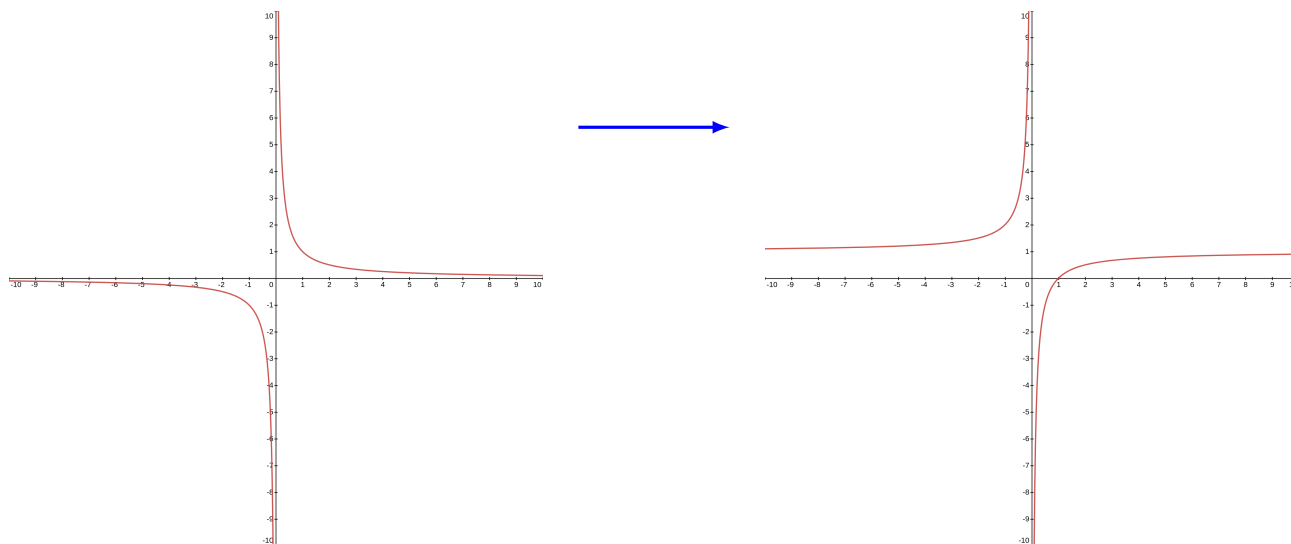


Problem 12

We see that the function $y = 1 - 1/x$ is a reflection of the graph of $1/x$ about the x -axis and a upward translation of 1 of the resulting graph. It should look like this:



Problem 48

Let $f(x) = x/(1 + x)$ and $g(t) = \tan t$. Then we see that $u(t) = f \circ g(t)$.