

Given the reciprocal function $f(x) = \frac{1}{x}$

1. Sketch f on the axes below.
2. Find the inverse of the function, $f^{-1}(x)$
3. The function $g(x)$ is f translated three units to the right. Write down g .
4. Write down the equations of the asymptotes of g
5. Find the inverse of g , $g^{-1}(x)$
6. Find $h(x)$, $g(x)$ translated up two

