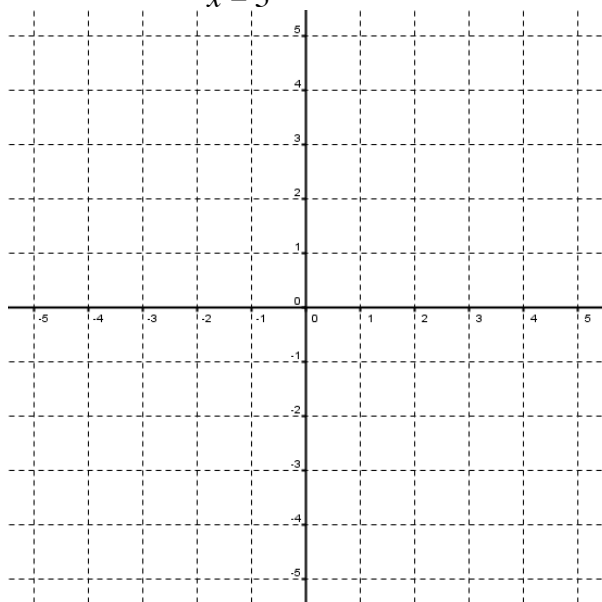
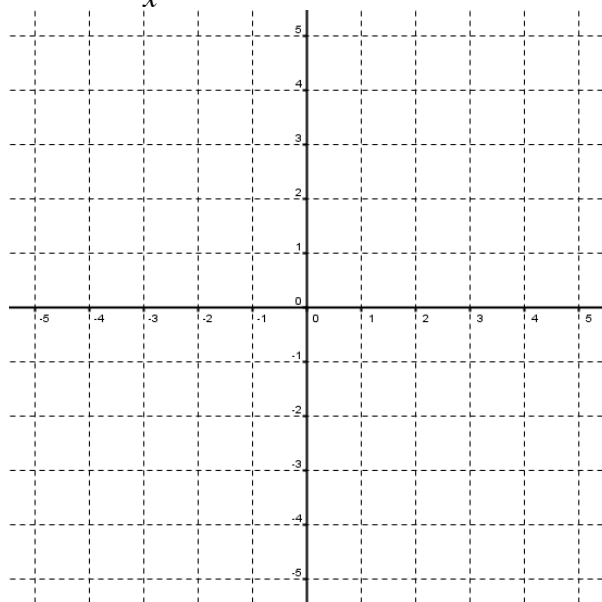


1. Graph the following reciprocal functions, marking all points as accurately as possible.

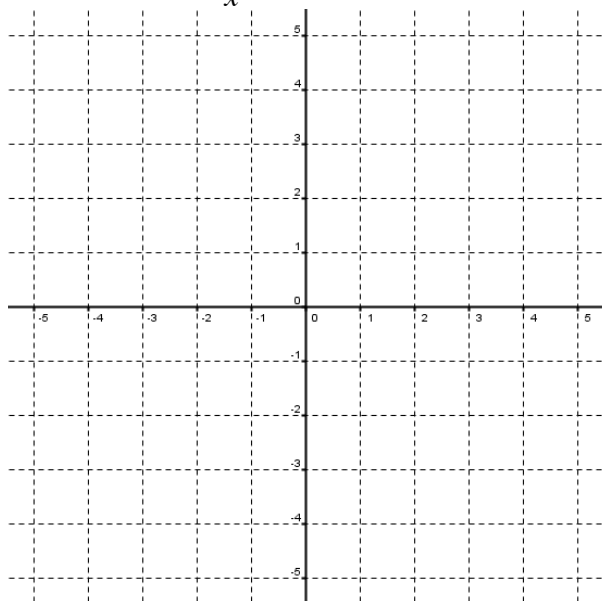
a)  $f(x) = \frac{1}{x-3}$



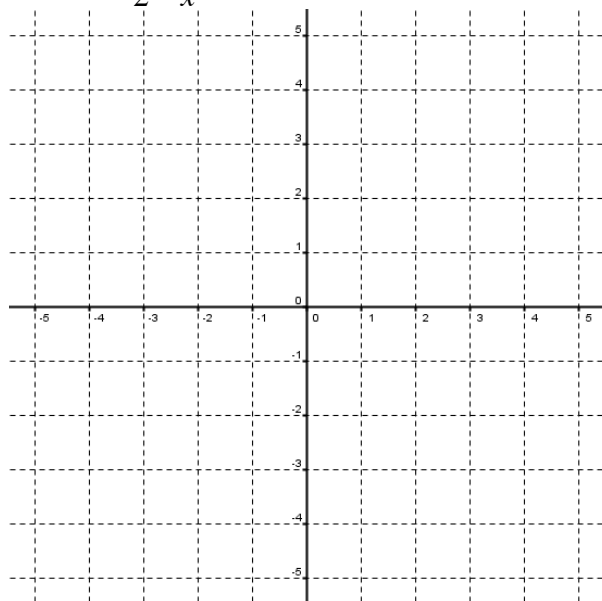
b)  $g(x) = \frac{1}{x} - 2$



c)  $h(x) = -\frac{1}{x} + 4$



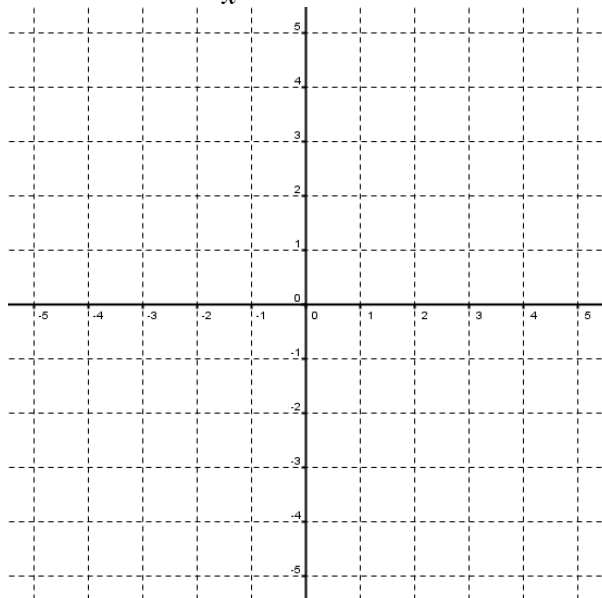
d)  $i(x) = \frac{1}{2-x}$



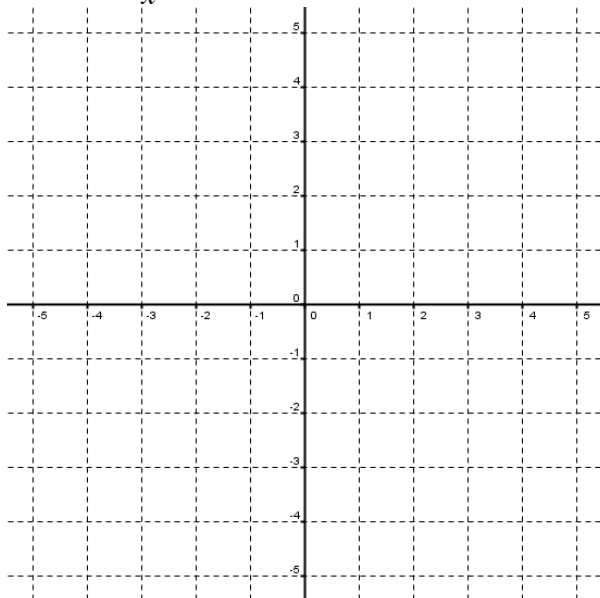
2. Given the linear function  $y = 3x - 12$ , sketch its reciprocal function and its inverse function.

3. Graph the following reciprocal functions. State the transformations applied to  $f(x) = \frac{1}{x}$  in each case.

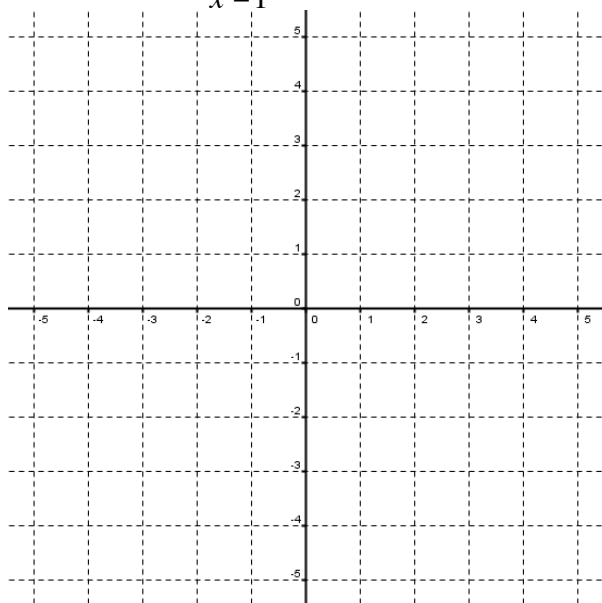
a)  $j(x) = -\frac{4}{x}$



b)  $k(x) = \frac{2}{x} + 1$



c)  $m(x) = \frac{3}{x-1} + 2$



d)  $n(x) = 3 - \frac{2}{x}$

