

Objective: To determine the inverse of a rational function.

Recall:

An **inverse** function has the unique property of mirroring a function over the line $y = x$.

How to Determine an Inverse Function

- Change the function notation to _____
- Switch _____ and _____
- Solve for _____ (get y _____)
- Rewrite y using _____

Example 1: $f(x) = \frac{3}{x+2}$

Example 2: $g(x) = \frac{x+4}{x}$

Example 3: $h(x) = \frac{2x-5}{x+3}$