Some notes from class

2018-01-08

Inverse functions?

$f(x) = 3x + 5$	$f^{-1}(x) = \frac{x}{3} - \frac{5}{3}$	
$f(x) = 5^x$	$f^{-1}(x) = \log_5 x$	
$f(x) = \frac{4}{x-7}$	$f^{-1}(x) = \frac{4}{x} + 7$	Inverse functions
$f(x) = x^3$	$f^{-1}(x) = \sqrt[3]{x}$	
$f(x) = \sin x$	$f^{-1}(x) = \sin^{-1} x$	

Not inverse functions:

$f(x) = x^3$	$g(x) = \frac{1}{x^3}$
$f(x) = \sin x$	$g(x) = \frac{1}{\sin x}$
$f(x) = 2^x$	$g(x) = \sqrt{x}$
$f(x) = 5x$	$g(x) = \frac{5}{x}$