Math 132 – Trigonometry Name_____
Section 1.7 Video Worksheet – 9th Edition

One-to-One

If x_1 and x_2 are in the domain of the function and x_1 ___ x_2, then $f(x_1)$___$f(x_2)$

What is the test that indicates a function is one-to-one? If a function is one-to-one, what does it have? How is it denoted?

How does the original function's domain and range relate to the inverse?

F(x)	Inverse
Domain	_____
Range	_____

If x is in the domain of f:

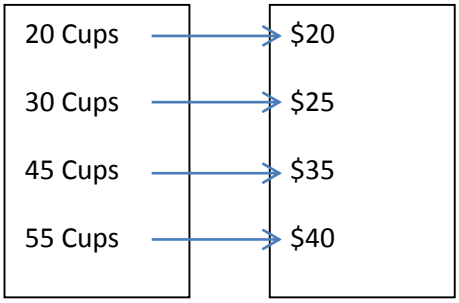
$f^{-1}(f(x)) =$ _____

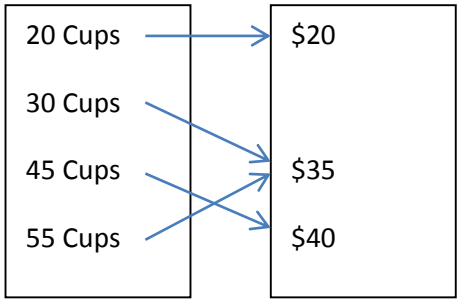
If x is in the domain of f^{-1}:

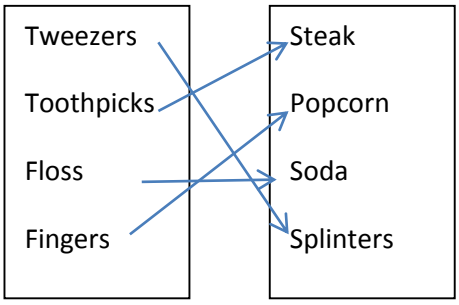
$f(f^{-1}(x)) =$ _____

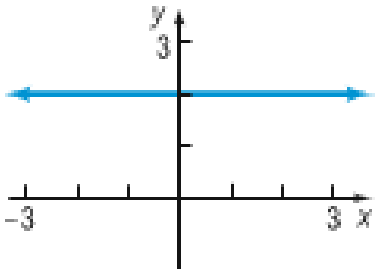
f(x) and $f^{-1}(x)$ are symmetric with respects to the line _____

Determine if these examples or graphs are one-to-one









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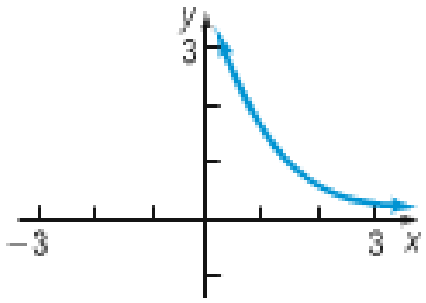
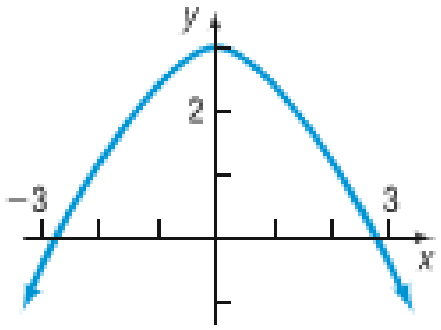
Name_____





Ensure that functions f and g are inverses of each other

- Type equation here.