PreCalculus Review Lesson 2b

Function Inverses

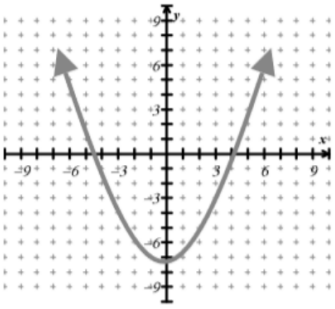
Find $f^{-1}(x)$ if $f(x) = 2x^3 - 3$.	Verify, using compositions, that f and g are inverse functions. $f(x)=\sqrt[3]{-8x-6}$, $g(x)=-\frac{x^3+6}{8}$

DEFINITION: one-to-one

_____

_____

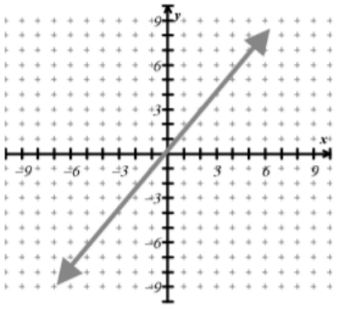
Determine if each function is one-to-one. Explain.



One-to-one: Yes or No

Domain: _____ Increase: _____

Range: _____ Decrease: _____



One-to-one: Yes or No

Domain: _____ Increase: _____

Range: _____ Decrease: _____

Given the relation {(-2, 4), (-1, 1), (0, 4), (1, 5)}, answer the following questions.

Is the relation a function?

One-to-one?

Make a table of the inverse coordinates.

x	y

Is this relation a function?