

November 1, 2017

2.8
#15) $f(x) = -2x + 4$ *one-to-one*

x	$f(x)$
0	4
2	0

① must be a function to start, i.e. Passes the Vertical line test.
② Passes the horizontal line test it is one-to-one

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* fails the V.l.T.

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fails H.l.T.
v.l.t. ✓

“f”
Domain Range
4 → 0
-5 → 0

f^{-1} (inverse)
Domain Range
0 → 4
0 → -5

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one-to-one
 $f(x_1) \neq f(x_2)$
whenever $x_1 \neq x_2$

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