

Name: _____
Math 109Q – Sections 01, 08
Quiz #5 ~ Friday, October 5th

DIRECTIONS: Circle all answers and **LABEL** appropriately.

1) Determine whether the following functions are one-to-one functions:

a. $f(x) = -6x + 5$

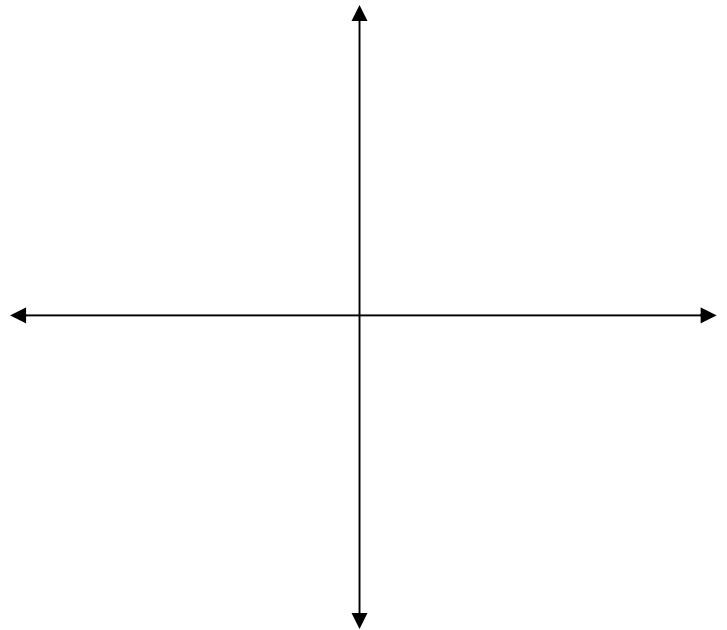
b. $f(x) = x^3 - \frac{3}{2}$

c. $f(x) = |x + 5| - 2$

2) $f(x) = -2x + 1$

a. Find $f^{-1}(x)$

b. Sketch $f(x)$ and $f^{-1}(x)$



c. Calculate $f^{-1}(3)$ and $f^{-1}\left(-\frac{1}{2}\right)$