ACMAT117 Fall 2025
Professor Manguba-Glover
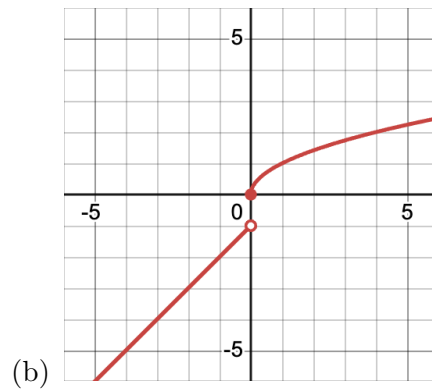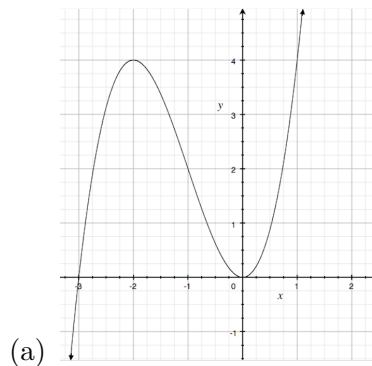Section 5.2 Homework (HW 21)   Name: _____

Due at the start of the final exam. This assignment is extra credit.

(1) Determine if the graph is one-to-one. Does it have an inverse?

(a)

(b)

(2) Find $f^{-1}(x)$ for $f(x) = 9x - 8$

(3) Find $f^{-1}(x)$ for $f(x) = \frac{2}{\sqrt{x}}$

(4) Find $f^{-1}(x)$ for $f(x) = \frac{x}{x+2}$

(5) Find $f^{-1}(x)$ for $f(x) = 2x^3 - 5$

(6) Use the graph of f to sketch its inverse f^{-1}

(a)

(b)