

Kerry Ojakian's MTH 30 Class Class Assignment #2

General Instructions:

- You may work in a group of **at most 3 students**.
- Hand in **one** assignment for your group; write each group member's full name on the assignment.

The Assignment

1. Solve the inequality $|3x + 2| > -2$
2. Consider the function $f(x) = 5x - 1$. And consider its inverse function f^{-1} .
 - (a) Before finding the full inverse function, just calculate $f^{-1}(-1)$ and $f^{-1}(0)$.
 - (b) Check algebraically if $g(x) = (1/5)x + 1$ is the inverse function.
 - (c) If g is NOT the inverse, then find the inverse algebraically.