

Name:

November 18, 2015

MAC 1105.1A26

Cyr

Quiz 12

You must show all work to receive full credit!!

Problem 1. (2 pts) Let $f(x) = \sqrt{x+4}$, $g(x) = -\frac{2}{x}$. Find the composition $(g \circ f)(x)$ and its domain.

Problem 2. (3 pts) The function $f(x) = \frac{x+1}{x-3}$, $x \neq 3$ is one-to-one. Find the equation for the inverse function $f^{-1}(x)$.