3.7	Quiz 1
Name:	

MATH 200, Section 9 January 29, 2021

Directions: Closed book, closed notes, no calculators. Show work to get credit. Each problem is 5 points, for a total of 20 points. By submitting this quiz you affirm that you agree with this statement: On my honor, I have neither given nor received unauthorized aid on this assignment, and I pledge that I am in compliance with the VCU Honor System.

1. Find all solutions of this equation: $2\cos(x) = \sqrt{2}$

2. Suppose $f(x) = 3x + x^3$. Find $f^{-1}(14)$.

3. Find the inverse this function: $f(x) = 3 + 2^x$

4. Write as a single logarithm: $\ln(x+1) - 3\ln(2x) + \ln(x^3)$