

Quiz 12**Name:** _____**Total Points possible: 10 out of 10****Math 12: Spring 2025**

Instructions: Show all your work in order to receive credit.**Problem 1.** (3.3 points) Let $g(x) = \left(\frac{4}{3}\right)^x$. Find both $g(-3)$ and $g(3)$.**Problem 2.** (3.3 points) Solve for x , $16^{2x+1} = 2^{4x}$.

Problem 3. (3.3 points) Solve for x , $\log_2(x+4) = \log_2(3x-2) - 1$

Problem 4. (0.1 point) What year am I dropping my mixtape?