

Name _____

- No calculators allowed.
 - Show sufficient work to justify each answer.
 - You have 12 minutes for this quiz.
1. (4 points) Determine a formula for an exponential function given that its graph goes through the points $(-3, 100)$, $(0, 20)$ and $(3, 4)$.

2. (3 points) Determine all values of x which satisfy the equation below.

$$e^{3\ln(5x+7)} = 8$$

3. (3 points) Given that $f(x) = \sqrt[3]{\ln(2x+5)}$, find a formula for $f^{-1}(x)$.