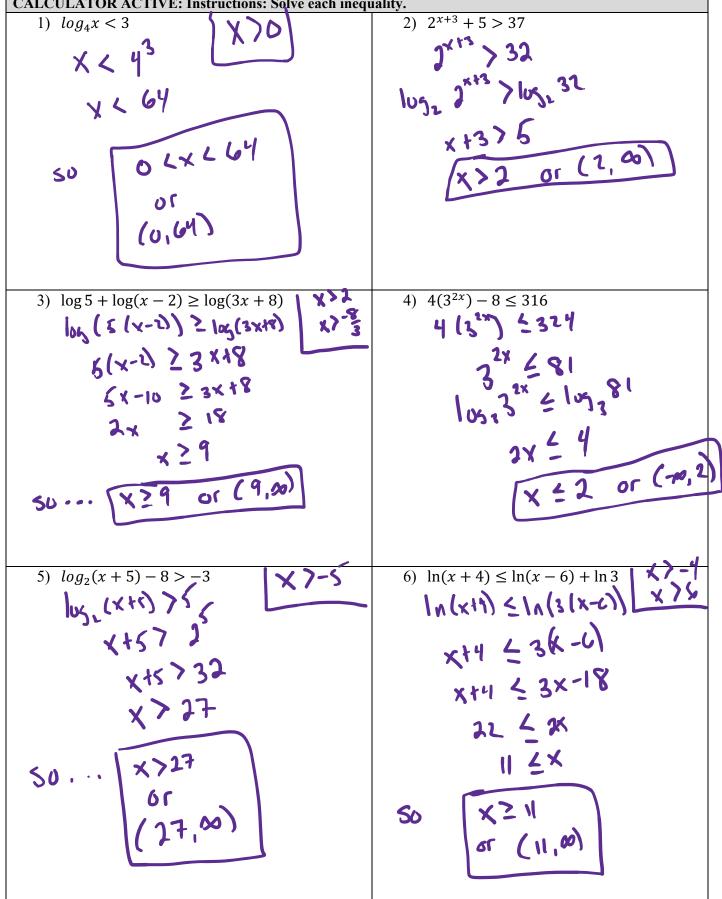
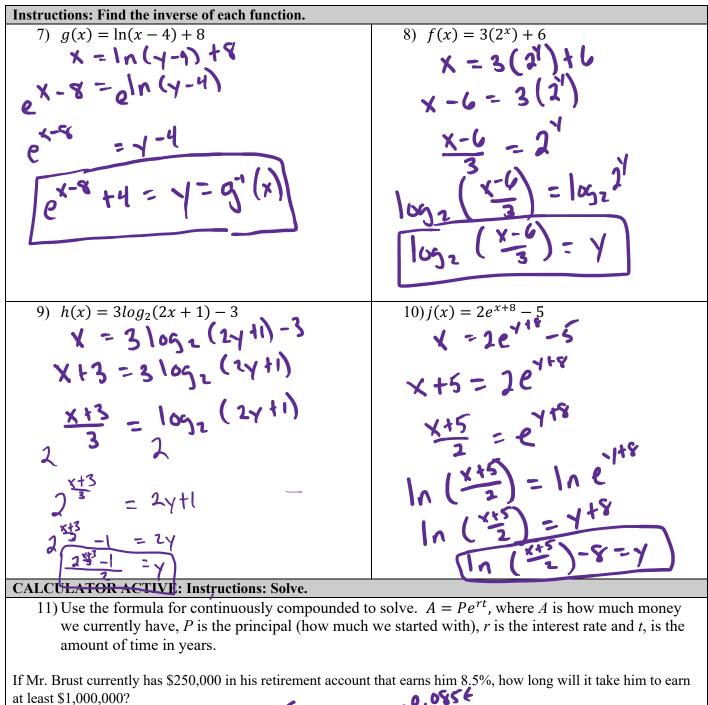
2.13B Exponential and Logarithmic Equations and Inequalities **AP Precalculus**

2.13B Practice

CALCULATOR ACTIVE: Instructions: Solve each inequality.





$$1,000,000 < 250,000 e^{0.085t}$$

 $4 < e^{0.085t}$
 $1n4 < 1ne^{0.085t}$
 $1n4 < 0.085t$
 $1n4 < 0.085t$

E716.34 ews

2.13B Exponential and Logarithmic Equations and Inequalities

12) When considering the equation $\log(x - 3) + \log(5) > \log(x + 9)$, which of the following domains is our initial restriction. (A) $(3, \infty)$ (B) $(5, \infty)$ (C) $(-9, \infty)$ (D) $(6, \infty)$ (D) $(6, \infty)$ (C) $(-9, \infty)$ (D) $(6, \infty)$ (C) $(-9, \infty)$ (D) $(6, \infty)$ (C) $(-9, \infty)$ (C) (

2.13B Test Prep

- 13) When considering the equation $\log(x 3) + \log(5) > \log(x + q)$, which of the following represents the domain of all solutions to the inequality?

14) Express y as a function of x. A, B and C are constant, positive numbers.

