

Business PreCalculus MATH 1643 Section 004, Spring 2014
Homework 27

1- Solve the following exponential equations:

a. $2^{1-x} = 3^{4x+6}$.

b. $2^{2x} - 4 \cdot 2^x = 21$.

2- Solve the following logarithmic equations:

a. $1 + \log(3x - 4) = 0$.

b. $\log_7 2x + \log_7(2x - 1) = \log_7(16x - 10)$.

c. $\ln(2x - 3) - \ln(x + 5) = 0$.