Classwork 15
Intermediate Algebra MTH 35
Topic: Exponential and Logarithmic Equations

Name: _____

Solve the following equations.

   1. $2^{1-x} = 4$

   2. $3^{2x-1} = 9$

   3. $e^{2x} = 7$

   4. $e^{2x+1} = 200$

   5. $5^x = 4^{x+1}$

6. $\log(x - 4) = 2$

7. $\log_3(2 - x) = 3$

8. $2 \log x = \log 2 + \log(3x - 4)$

9. $\log_2 x \log_2(x - 3) = 2$

10. $\log_5(x + 1) - \log_5(x - 1) = 2$