

Print Name: _____

MathB1a / Fall2010

Project – Solving Exponential/logarithmic Equations

Due: Oct 31, 2011 (Prior to taking Exam)

Solve the following:

1) $\log(3x - 1) + \log x = 1$

2) $\log_5(5 + 4x) - \log_5(3 + x) = \log_5 3$

3) $5^{x+2} = 3^{2x-1}$ (Find exact solution and then find approximation to 4 decimal places)

4) $5^{2x} - 9(5^x) + 20 = 0$

5) $3x^2(5^x) + 13x(5^x) = 10(5^x)$