Solving Logarithmic Equations
Math 3 Module 2

To solve logarithmic equations _____.

Examples (Always check to ensure the solution is in the domain of the function.)

1. $\log 3x = 2$

2. $\log_3 (5x-1) = \log_3 (x+7)$

3. $5 + 2\log x = 4$

4. $2\log_5 3x = 4$

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

6. $\log x + \log(x-9) = 1$