| Cornell Notes | Topic/Objective: 3.3 Solving Log Equations | Name: |
| --- | --- | --- |
| | | Class/Period: |
| | | Date: |

**Essential Question:**

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**Method 1.** Condense

**Ex)** $\log_3 x = 2\log_3 4 - \log_3 2$

**Method 2.** Rewrite in exponential form

**Ex)** $\log_3 (2x - 3) = 2$

**Method 3.** Combine method 1 & 2

**Ex)** $\log(x + 2) + \log(x - 1) = 1$

**Method 4.** Rewrite with the same base or as a log or take the log of both sides

**Ex)** $3^{x+2} = 7$          **Ex)** $3^{x+2} = 9$

**Summary:**

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