Algebra 2
Solving WS w/Condensing

Solve each equation.

1. $\log_2(4x-6)=\log_2(7x-30)$

2. $\log 5x = \log(2x-9)$

3. $\log(10-4x)=\log(12-3x)$

4. $\log_2(4p-2)=\log_2(-5p+5)$

5. $\log_5(4k-5)=\log_5(2k-1)$

6. $\ln(-2a+9)=\ln(7-4a)$

7. $\log x + \log 7 = \log 21$

8. $\log_3 3x + \log_3 4 = \log_3 24$

9. $\log_2 x - \log_2 3 = \log_2 6$

10. $\log(x + 1) + \log 3 = \log 18$

11. $\ln 2x - \ln 4 = \ln 2$

12. $\log_4(x - 3) - \log_4 7 = \log_4 3$