

Practice 8-6 (B)**Natural Logarithms****Solve each equation.**

1. $\ln x = -2$

2. $2 \ln (3x - 4) = 2$

3. $5 \ln (4x - 6) = 10$

4. $-7 + \ln 2x = -4$

5. $3 + 3 \ln (8x + 1) = 12$

6. $\ln x + \ln 3x = 2$

7. $2 \ln x + \ln x = 3$

8. $\ln x + \ln 4 = 2$

9. $\ln x - \ln 5 = +1$

10. $\ln e^x = 3$

11. $3 \ln e^{2x} = 12$

12. $\ln e^{x+5} = 3$

13. $\ln 3 + \ln 2x = 3$

14. $2 \ln (3x - 2) = 4$

15. $7 \ln (2x + 5) = 35$

16. $\ln (3x + 4) = 5$

17. $\ln \frac{2x}{41} = 2$

18. $\ln (2x - 1) = 3$