

Practice 8-6 C**Natural Logarithms**

Use natural logarithms to solve each equation.

7. $e^x = 15$

8. $4e^x = 10$

9. $e^{x+2} = 50$

10. $4e^{3x-1} = 5$

11. $e^{x-4} = 2$

12. $5e^{6x+3} = 0.1$

13. $e^x = 1$

14. $e^{\frac{x}{5}} = 32$

15. $3e^{3x-5} = 49$

16. $7e^{5x+8} = 0.23$

17. $6 - e^{12x} = 5.2$

18. $e^{\frac{x}{2}} = 25$

19. $e^{2x} = 25$

20. $e^{\ln 5x} = 20$

21. $e^{\ln x} = 21$

22. $e^{x+6} + 5 = 1$