

7-5**Practice**

Form G

Exponential and Logarithmic Equations**Solve each equation.**

4. $25^{2n+1} = 625$

5. $36^{-2x+1} = 216$

Solve each equation. Round answers to the nearest hundredth.

11. $15^{2n-3} = 245$

12. $4^x - 5 = 12$

13. $2^{n+5} = 120$

16. $10^n = 3$

17. $10^{3y} = 5$

Solve each equation. Check your answers.

33. $\log 4x = -1$

35. $\log 4x = 2$

36. $4 \log x = 4$

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

40. $\log (3x - 2) = 3$