7-5 Practice   *Form G*

Exponential and Logarithmic Equations

Solve each equation.

1. $8^{2x} = 32$

3. $9^{2x} = 27$

Solve each equation. Round answers to the nearest hundredth.

7. $5^{2x} = 20$

8. $8^{n+1} = 3$

9. $4^{n-2} = 3$

10. $4^{3n} = 5$

Solve each equation. Check your answers.

32. $\log x = 2$

33. $\log 4x = -1$

34. $\log 3x = 2$