Name_____ Class _____ Date _____

7-5

Practice   *Form G*

Exponential and Logarithmic Equations

Solve each equation.

1. $8^{2x} = 32$ 5/6 5/3

3. $9^{2x} = 27$ 3/4

Solve each equation. Round answers to the nearest hundredth.

7. $5^{2x} = 20$ .93

8. $8^{n+1} = 3$ .38

9. $4^{n-2} = 3$ 3.08

10. $4^{3n} = 5$ .39

Solve each equation. Check your answers.

32. $\log x = 2$

100

33. $\log 4x = -1$

$\dfrac{1}{40}$

34. $\log 3x = 2$

$\dfrac{100}{3}$