Math III

Name_____ ID: 1

Solving Exponential Equations with and w/o logs

Date_____ Period_____

Solve each equation.

1) $25^{-3n+2} = 125$

Without ln	With ln

2) $4^{2x} = 64$

Without ln	With ln

3) $2^{-2r-2} = 4$

Without ln	With ln

4) $16^{2a+3} = \dfrac{1}{64}$

Without ln	With ln

5) $16^{2n-2} = \dfrac{1}{4}$

Without ln	With ln

6) $16^{2b} = 4$

Without ln	With ln

7) $3^{2k} = 9$

Without ln	With ln

8) $27^{n-3} = 9$

Without ln	With ln

9) $4^{-3x} = 64$

Without ln	With ln

10) $6^{-x} = 36$

Without ln	With ln

11) $6^{3n-1} = 216$

Without ln	With ln

12) $64^{-3x} = 16$

Without ln	With ln