Solving Exponential Equations with and w/o logs

Date

Period

Solve each equation.

1) 25 ⁻³ⁿ	= 125
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Without In With In

1000	2-		
2)	42x	_	64
~,	-	_	UT

Without In

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

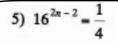
Without In

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

Without In

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Without In

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Without In

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

With In

7) 3 ^{2k} = 9		$8) \ 27^{n-3} = 9$	
Without In	With In	Without In	With In
9) 4 ^{-3x} = 64		10) 6 ^{-x} = 36	
Without In	With In	Without In	With In
11) $6^{3\pi-1} = 216$		$12) 64^{-3x} = 16$	
Without In	With In	Without In	With In