8.4 Base e & Its Special Logarithm

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[Example] Find the unknown.

(\mathbb{D})	$e^{X} = 4$	f5	$2 3e^2$	×_4=	44	34	$F \ln x = -2$
	X= n	(45)		$3e^{2x} = -$	48		hx = -1-2
	∧≈3	.807		$e^{2x} = 2$	16		$X = e^{-\frac{1}{2}}$
				2x = r	(16)		
				x = <u> </u>	n(16)		
					2		
				×≈ 1	.386		
(4)	-7+	$\ln(2x) = 4$		<u>5</u> 3	$-4\ln(8)$	x+1)=:	12
		$\ln(2x) = 11$			-4/n (8	'x+1)=	9
		2x=e"			ln (8	'x+1)=7	.9
		X= e					
		2			8x+	-1=e ⁻	Ŧ 9
						8x = e	4 - <u>1</u>
						×= <u>e</u>	- <u><u></u></u>
	~1						8
6	e^16	+5 = 1					
		$e^{xtb} = -4$					
		$x+b = \ln(-4)$					
		x = n(-4)	-6.				

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