NAME _		DATE	PERIOD	
¹¹⁻⁶ Pra	octice			
Natural Loga	rithms			Spirals
Evaluate each expres 1. ln 71 4.2627	2. ln 8.76 2.1702	3. ln 0.532 -0.6311		Consider an a its initial side side of the an distance of th learned, grap such as the ki
4. antiln -0.256 0.7741	5. antiln 4.62 101.4940	6. antiln – 1. 0.1979	62	
Convert each logarith	nm to a natural logarithm	and evaluate.		14 150°
7. log ₇ 94 2.3348	8. log ₅ 256 3.4454	9. log ₉ 0.712 − 0.1546		160° 170° 18 <u>0</u> ° 190°
Use natural logarithms to solve each equation or inequality.				200°
10. $6^x = 42$ 2.0860	$ \begin{array}{l} 11. \ 7^x = 4^{x+3} \\ \overline{\textbf{7.4317}} \end{array} $	12. 1249 = 174 -49.1328	$5e^{-0.04t}$	210° 22
13. $10^{x+1} > 3^x$ x > -1.9125	14. $12 < e^{0.048y}$ y > 51.7689	15. $8.4 < e^{t-2}$ t > 4.128	2	
16 Ranhing Ma C	intracted a sum of	nonovin a cortificata		$\int \mathbf{I} \cdot \mathbf{U} \cdot \mathbf{S} \mathbf{e} \mathbf{a} \mathbf{c} \mathbf{a} \mathbf{l} \mathbf{c} \mathbf{a}$
of deposit that earns 8% interest compounded continuously. The				nearest deg
formula for calcula is $A = Pe^{rt}$. If Ms. 1995, and the acco	ating interest that is comp Cubbatz made the investr ount was worth \$12.000 or	oounded continuously nent on January 1, 1 January 1, 1999.		<i>r</i> θ 0 ⁶

what was the original amount in the account? **\$8713.79**

2. Plot the potthem to for

This type of measures a