Standing Waves on a String Worksheet

Your Name:	Signati	ure:		
Lab partner(s):				
Course & Section:	Station #	Date:		
String mass $M_{\text{string}} =$	±			
String length $L =$	\pm th for finding μ and	l measurement techniques:		
Linear density $\mu =$	±			
Mass of hanging mass M_{mass} =	(we ca	n assume negligible uncertainty)		
Enter into the table on the reverse side of tarrangement of standing waves that you obs		Frequencies, periods and wavelengths of each tainties.		
Measured velocity of wave propagation V_M	=	_±		
Predicted value $V_P =$	±			
Compare your measured and predicted value your conclusions.	es of the wave veloc	city. Comment on their consistency. Justify		
Attach a printout of your Origin graph and l	inear fit, with fit par	rameters.		

Number of Loops n	Frequency f (Hz)	Period T(s)	Length D of n loops	Wavelength λ (m)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

GRADE:	GRADED BY	
(out of 15 points)	(TA's initials)	