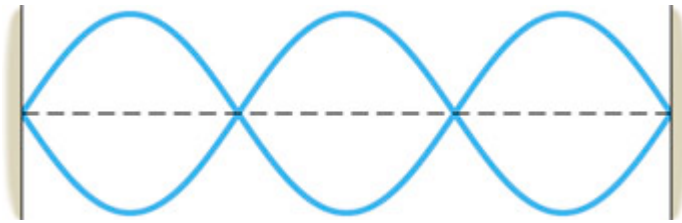## Prelab Questions

These questions need to be completed before
entering the lab. Please show all workings.

<table>
<tr><td>Marker's
Initials</td></tr>
</table>

Prelab 1

Referring to the picture shown and the instruction pages:

a) Label all the nodes (N) and antinodes (A) on the diagram.

b) How many nodes are present?

c) How many antinodes are present?

d) How many wavelengths are present?

e) If the string is $2.0\ m$ long, what is the wavelength?

<table>
<tr><td>STAPLE YOUR PRE-LAB TO THIS PAGE</td></tr>
</table>

Name and Student Number: _____

Date: _____

Partner: _____

Frequency:		String colour:	

QUESTION 1:

Table 1:

m (kg)	W (N)	Δx (m)	number of wavelengths	λ (m)	λ^2 (m^2)

CHECKPOINT:

To be signed after completing the first row of Table 1.

QUESTION 2:

QUESTION 3:

Table 2: note: Print a copy of T vs λ^2 graph with correct format.

	Value	Uncertainty	Units
Slope			

⬅ Staple graph to the opposing page

QUESTION 4:

QUESTION 5:

QUESTION 6:

QUESTION 7:

QUESTION 8: