ST. JOSEPH'S CONVENT, ST. JOSEPH

CSEC PHYSICS

FORM 4

MS. CRICHLOW

GRAPHS & GRADIENT WORKSHEET

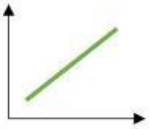
REVIEW

The gradient gives an indication of the steepness of the slope of a best fit/straight line.

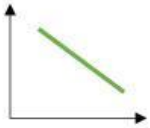
EQUATION FOR GRADIENT

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

POSITIVE GRADIENT



NEGATIVE GRADIENT



SECTION A

Fill in the blanks of the table to give the unit of the gradient of the graphs given which quantity is placed on the y axis and the x axis. The first one is completed for you. Ensure that you express the gradient unit in the form y-axis unit/x-axis unit.

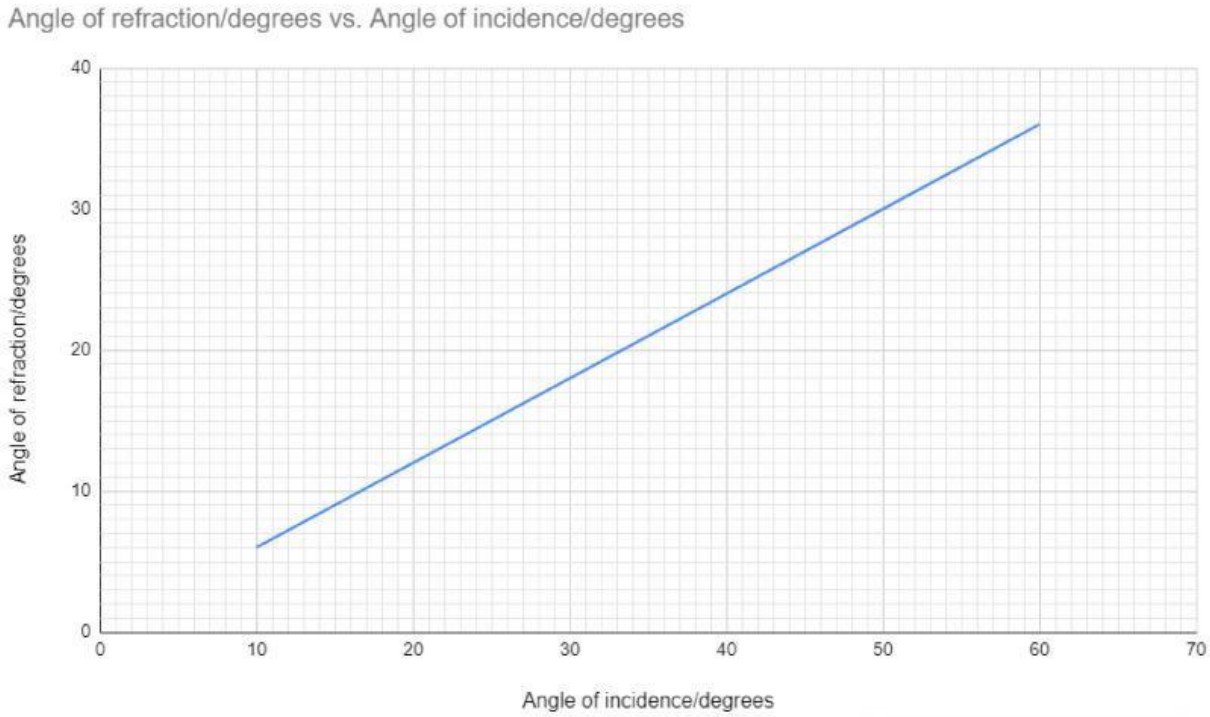
y-axis Quantity	y-axis unit	x-axis quantity	x-axis unit	Gradient unit
Distance	m	Time	s	**m/s**
Force	N	Time	s	
Resistance	Ohm	Length	m	
Angle	Deg	Time	s	

LIVEWORKSHEETS

SECTION B

CALCULATE THE GRADIENT OF THE FOLLOWING GRAPHS BELOW. *Quote your answer to 1 decimal place.*

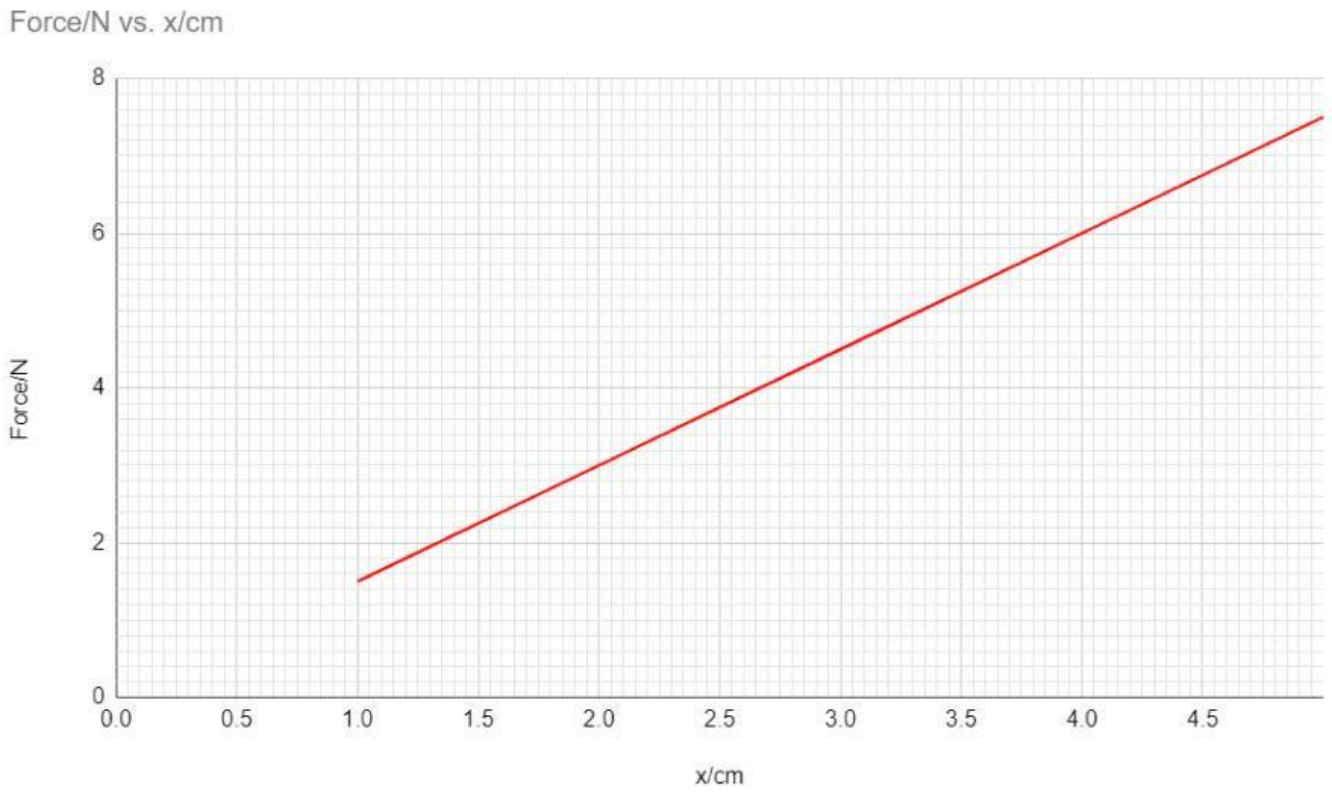
STATE THE UNIT FOR THE GRADIENT IN THE BOX PROVIDED.



Gradient =

Unit =

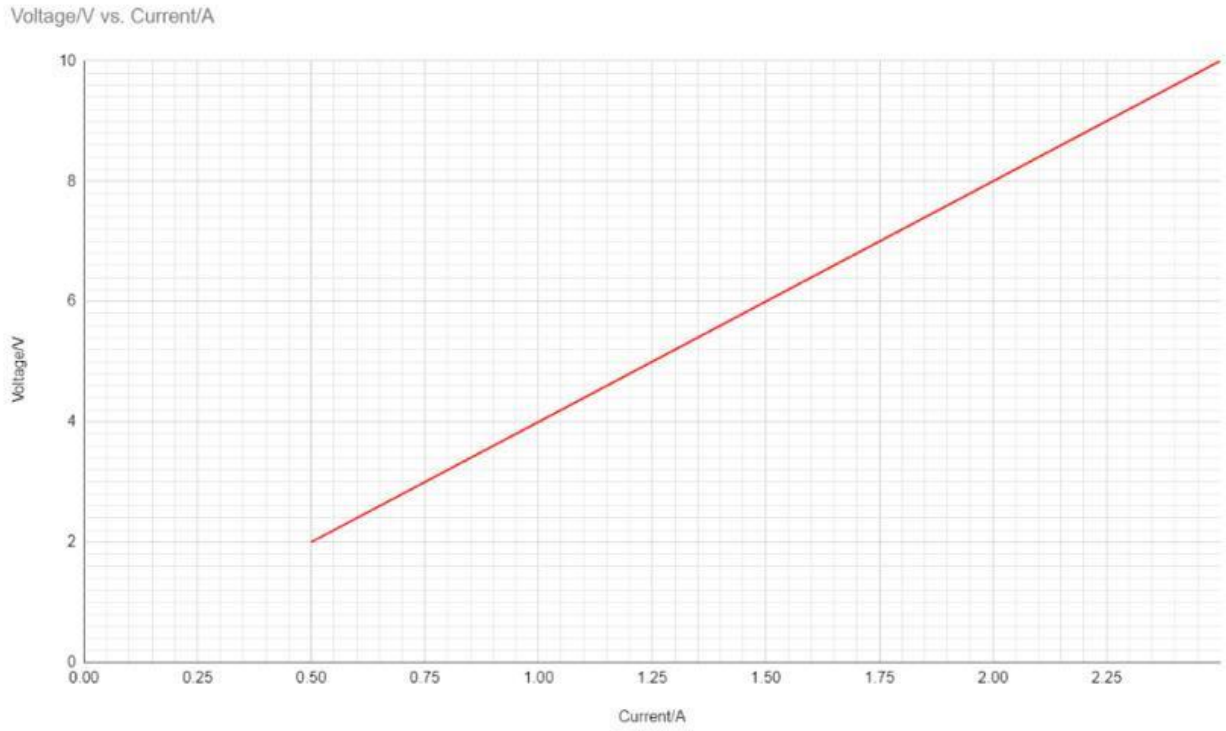
LIVEWORKSHEETS



Gradient =

Unit =

LIVEWORKSHEETS



Gradient =

Unit =

LIVEWORKSHEETS