Diffraction Grating - Results

$$n\lambda = \lambda \sin \theta$$

$$\sin \theta = \frac{\lambda}{\lambda} n$$

$$y = m + c$$

Method 1: A laser was shone through a diffraction grating onto a screen. The following data was recorded for the bright maxima on the screen:

Distance to screen: 1.600 m Diffraction grating: 80 in S min

Order	Distance from central maxima / mm	0 / °	sin θ
l	79		
ス	160		
3	246		
4	332		
5	417		
6	417 508		

