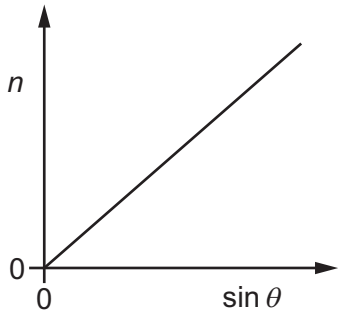
29 A student uses a diffraction grating to determine the wavelength of visible light from a source.

The diffraction grating has 300 lines per mm. The student measures the angle θ of each order n of the intensity maxima. A graph of n against $\sin\theta$ is plotted. The line of best fit for the plotted points is shown and has gradient G.



Which expression represents the wavelength, in m, of the visible light in terms of G?

A $3 \times 10^{5} G$ **B** $3.3 \times 10^{-6} G$ **C** $\frac{3.3 \times 10^{-6}}{G}$ **D** $\frac{300}{G}$