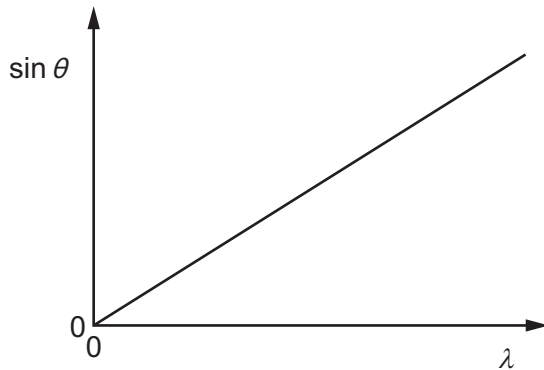


27 A diffraction grating with N lines per metre is used to deflect light of various wavelengths λ .

The graph shows a relation between the deflection angle θ and λ for different wavelengths in the n^{th} order interference pattern.



What is the gradient of the graph?

- A** Nn **B** $\frac{N}{n}$ **C** $\frac{n}{N}$ **D** $\frac{1}{Nn}$

28 Which wave phenomenon is *not* needed to explain the pattern of observable fringes produced by