Diffraction Grating

Results:

m λ = d sin θ

λ = 632.8 nm

D =

m	y	$\frac{y}{D}$	$\theta = \tan^{-1}(\frac{y}{D})$	$\sin\theta$

Draw a graph between: m (x-axis). *vs* sin θ (y-axis).

Slope =

$$d = \frac{m\lambda}{\sin\theta}$$

$$d = \frac{\lambda}{slope} =$$