

Trigonometry – 2022 O Level Additional Math

1. June/2022/Paper_11/No.6(b)

(b) (i) Show that $\frac{1 + \tan \theta}{1 - \cos \theta} + \frac{1 - \tan \theta}{1 + \cos \theta} = \frac{2(1 + \sin \theta)}{\sin^2 \theta}$. [4]

2. June/2022/Paper_12/No.2

Given that $x = \sec^2 \theta$ and $y + 2 = \cot^2 \theta$, find y in terms of x .

[4]