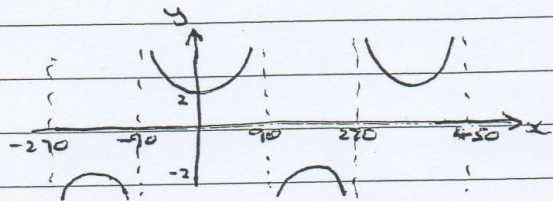


(1) Show that $\frac{x^4 + 2}{x^2 - 1} = x^2 + B + \frac{C}{x^2 - 1}$

Find B and C

(2) Simplify $\frac{4}{5} - \frac{3}{2y}$

(3) What is the equation of this graph



(4) Solve the equation $\operatorname{cosec} 2\theta = 4$ $(-180^\circ \leq \theta \leq 180^\circ)$

(5) Show that $\frac{1}{\operatorname{cosec} \theta - 1} + \frac{1}{\operatorname{cosec} \theta + 1} = p \sec \theta \tan \theta$