



Name: Wm Rm Hm (27)

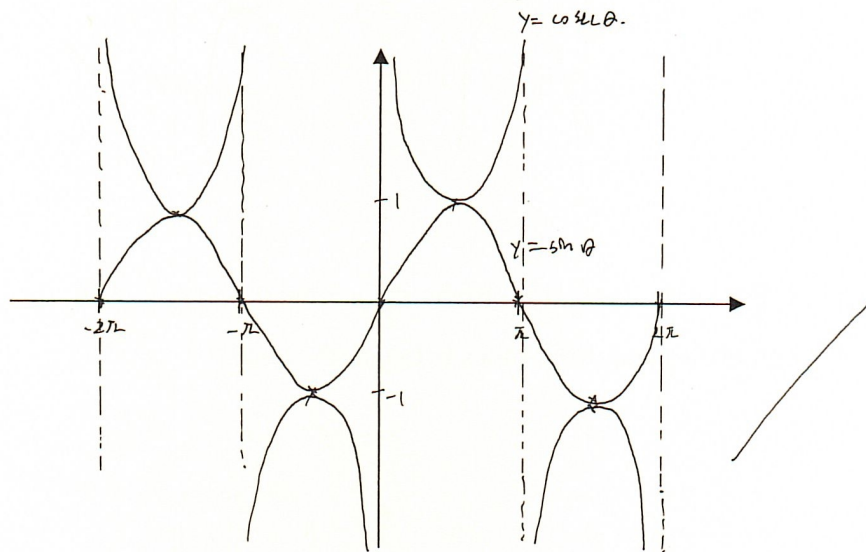
Class: 3C1

Date: 18 Sept

MA304.5.X2 – Graphs of More Trigonometric Functions

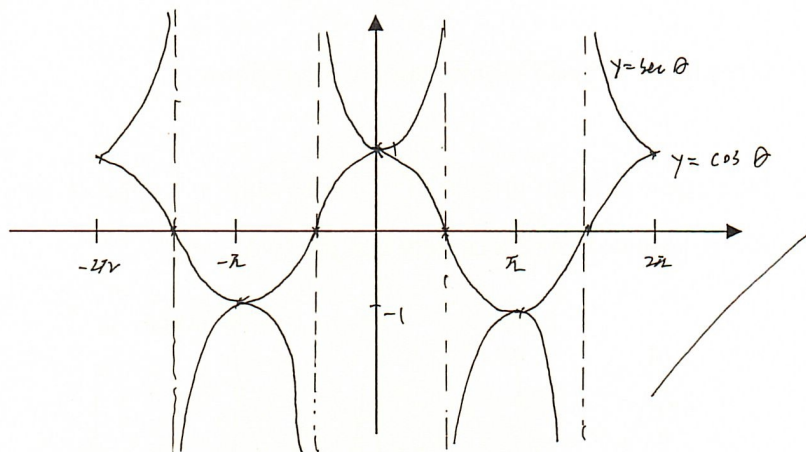
S1. Sketch, on the same axes, the graphs of $y = \sin \theta$ and $y = \operatorname{cosec} \theta$ for $-360^\circ \leq \theta \leq 360^\circ$.

What are the similarities and differences between the two?



cosec has asymptote while $\sin$ does not.
There is no range for cosec .

S2. Sketch, on the same axes, the graphs of $y = \cos \theta$ and $y = \sec \theta$ for $-2\pi \leq \theta \leq 2\pi$. What are the similarities and differences between the two?



S3. Sketch, on the same axes, the graphs of $y = \tan \theta$ and $y = \cot \theta$ for $-360^\circ \leq \theta \leq 360^\circ$. What are the similarities and differences between the two?

