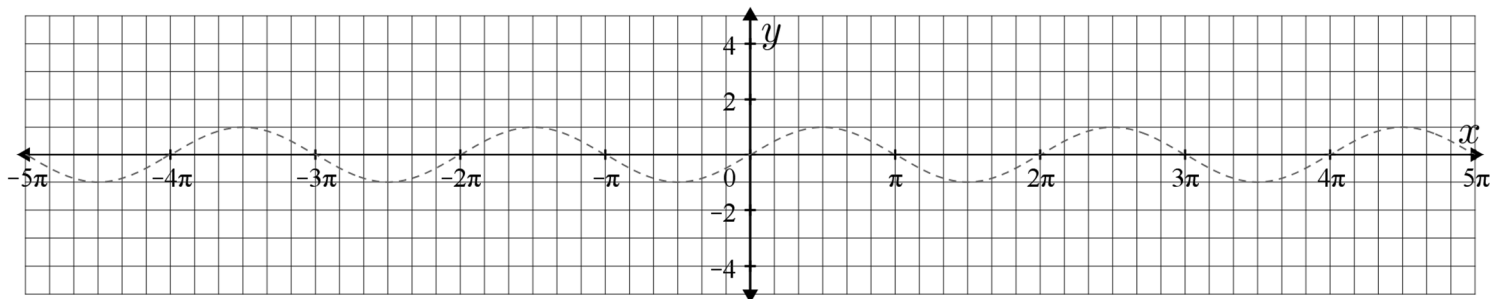


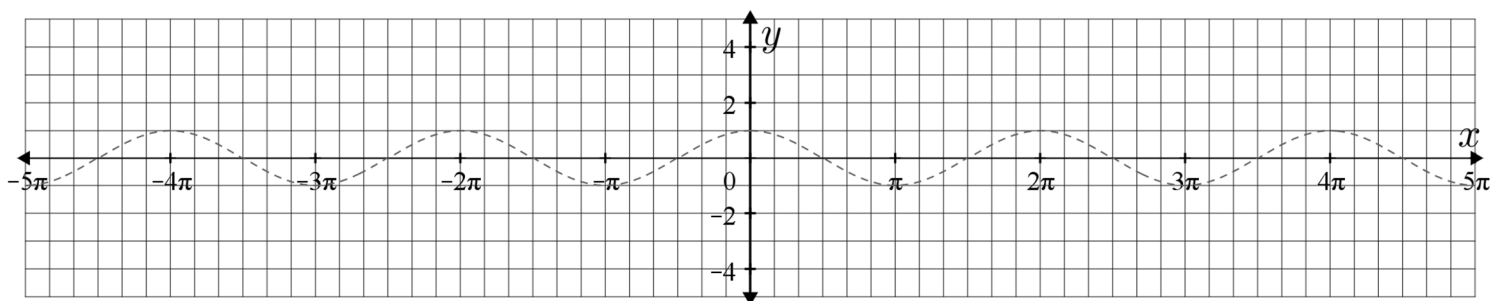
- 1) Sketch the graph of $y = \csc x$ on the domain $-5\pi \leq x \leq 5\pi$ using the axes below.
The graph of $y = \sin x$ is shown for reference.

$y = \csc x$



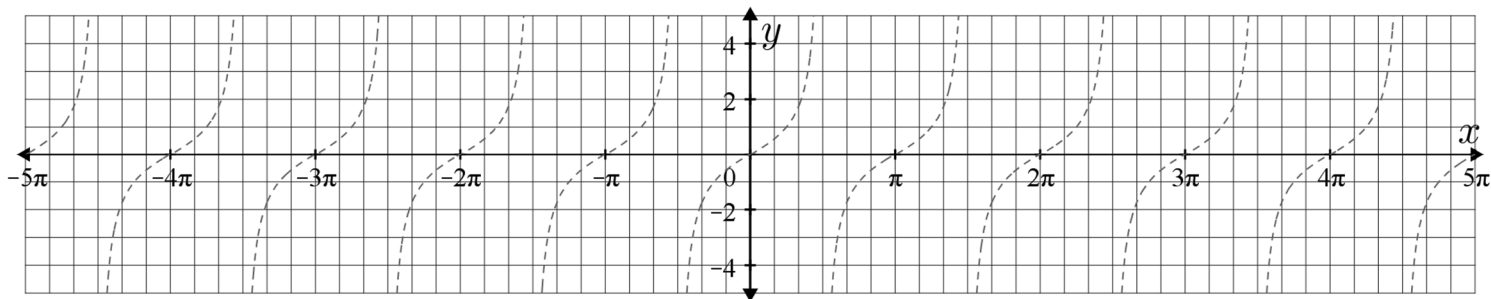
- 2) Sketch the graph of $y = \sec x$ on the domain $-5\pi \leq x \leq 5\pi$ using the axes below.
The graph of $y = \cos x$ is shown for reference.

$y = \sec x$



- 3) Sketch the graph of $y = \cot x$ on the domain $-5\pi \leq x \leq 5\pi$ using the axes below.
The graph of $y = \tan x$ is shown for reference.

$y = \cot x$



Analysis

$y = \csc x$

$y = \sec x$

Domain: _____

Domain: _____

Range: _____

Range: _____

Period: _____

Period: _____

Absolute Maximum Value: _____

Absolute Maximum Value: _____

Absolute Minimum Value: _____

Absolute Minimum Value: _____

Local Maximum Values: _____

Local Maximum Values: _____

Local Minimum Values: _____

Local Minimum Values: _____

x -intercepts: _____

x -intercepts: _____

y -intercept: _____

y -intercept: _____

Asymptotes: _____

Asymptotes: _____

$y = \cot x$

Domain: _____

Range: _____

Period: _____

Absolute Maximum Value: _____

Absolute Minimum Value: _____

Local Maximum Values: _____

Local Minimum Values: _____

x -intercepts: _____

y -intercept: _____

Asymptotes: _____