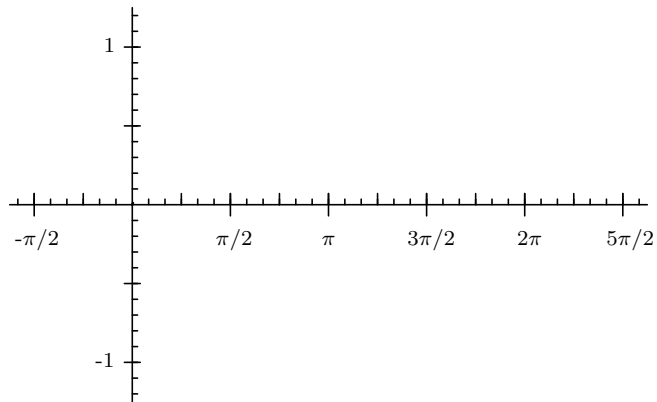


Trigonometry Worksheet (2)

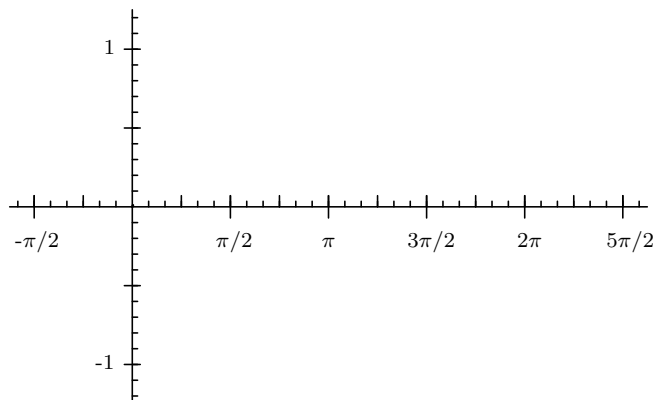
Graph the six trigonometric functions

Q1 . Calculate key points (maxima, minima, x intercepts) over the interval $[0, 2\pi]$ for the functions in parts A and B below and graph them over this interval.

A . $f(x) = \sin(x)$

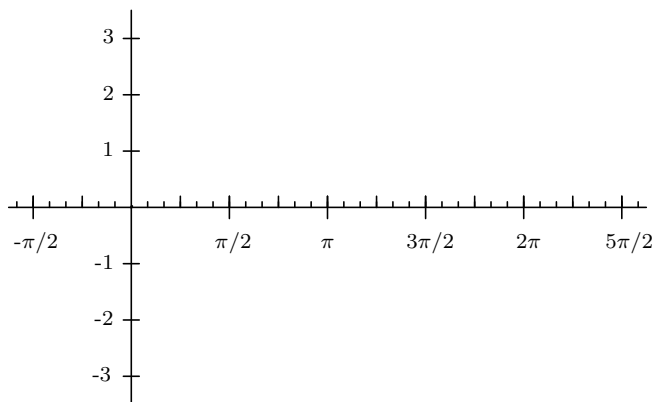


A . $f(x) = \cos(x)$

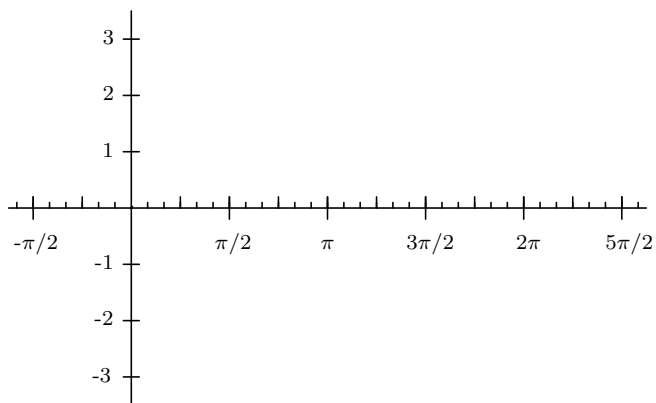


Q2 . Calculate key points (maxima, minima) and determine the vertical asymptotes over the interval $[0, 2\pi]$ for the functions in parts A and B below and graph them over this interval.

A . $f(x) = \sec(x)$

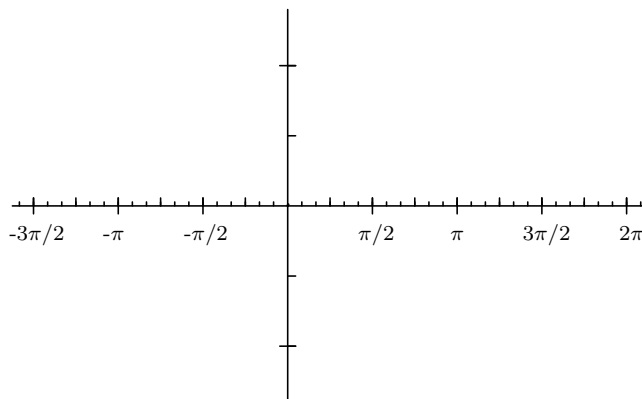


A . $f(x) = \csc(x)$



Q3 . Calculate points and determine the vertical asymptotes over the interval $[-\pi/2, \pi/2]$ for the given function and graph it over this interval.

$$f(x) = \tan(x)$$



Q4 . Calculate points and determine the vertical asymptotes over the interval $[0, \pi]$ for the given function and graph it over this interval.

$$f(x) = \cot(x)$$

