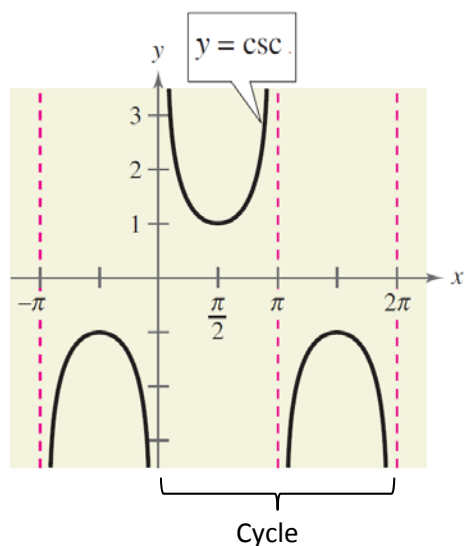


Pg. 332 4.6B – Graphs of Other Trigonometric Functions

Parent function of cosecant: $\csc x$

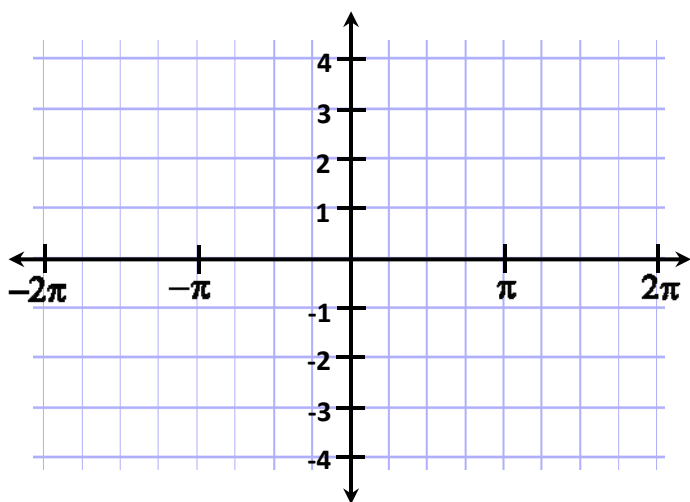


4 Key Graphing Rules

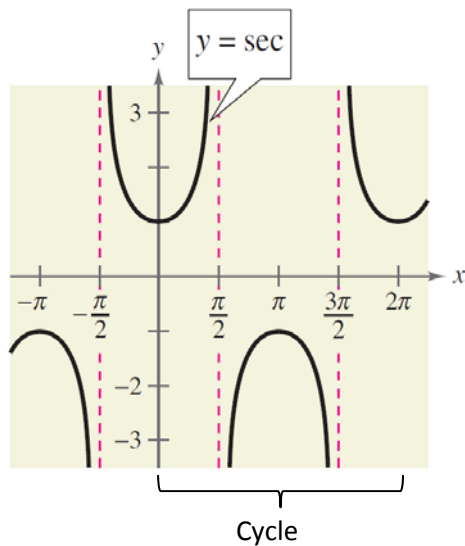
- 1) Make a dotted graph of the reciprocal of $\csc x$, which is $\sin x$.
- 2) From the maximum and minimum, draw U's going off in the opposite direction.
- 3) Asymptote pass through the points equidistant from the maximum and minimum points.
- 4) The length of one cycle is 2π .

Ex 1:

Graph $y = \csc(2x - \pi)$



Parent function of cosecant: $\csc x$

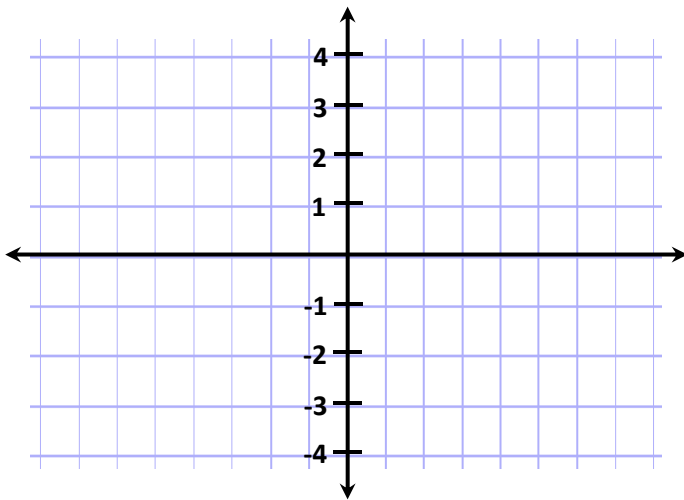


4 Key Graphing Rules

- 1) Make a dotted graph of the reciprocal of $\sec x$, which is $\cos x$.
- 2) From the maximum and minimum, draw U's going off in the opposite direction.
- 3) Asymptote pass through the points equidistant from the maximum and minimum points.
- 4) The length of one cycle is 2π .

Ex 2:

Graph $y = \sec(\pi x) + 1$



Assignment 4.6B

Pg. 339 **REQUIRED**: Problem Set #'s 1, 4, 5, 6, 11, 13, 15, 17, 21, 25, 29, 33, 37