

Reciprocal Trigonometric Functions

Mathematical Reference Graph Template

Secant $\sec(x) = 1/\cos(x)$

- **Period:** 2π
- **Domain:** $x \neq \pi/2 + n\pi$
- **Range:** $(-\infty, -1] \cup [1, \infty)$
- **Asymptotes:** $x = \pi/2, 3\pi/2$

Cosecant $\csc(x) = 1/\sin(x)$

- **Period:** 2π
- **Domain:** $x \neq n\pi$
- **Range:** $(-\infty, -1] \cup [1, \infty)$
- **Asymptotes:** $x = 0, \pi, 2\pi$

Cotangent $\cot(x) = 1/\tan(x)$

- **Period:** π
- **Domain:** $x \neq n\pi$
- **Range:** $(-\infty, \infty)$
- **Asymptotes:** $x = n\pi$