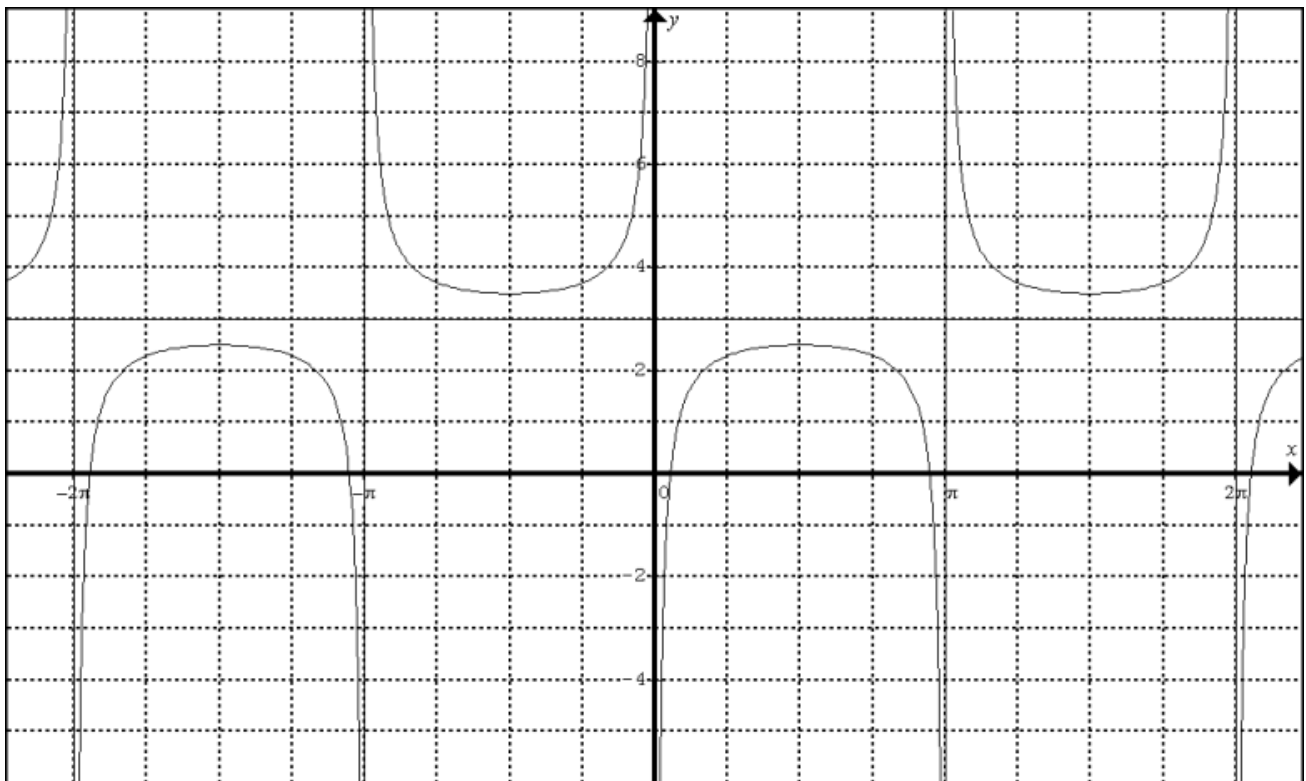


1 a



Period: 2π

Domain: $\{x \in \mathbb{R}, x \neq \pi k, k \in \mathbb{I}\}$

Range: $\{y \geq 3.5 \text{ or } y \leq 2.5, y \in \mathbb{R}\}$

Asymptotes at $x = \pi k, k \in \mathbb{I}$

Local minimum values at $x = -\pi/2 + 2\pi k, k \in \mathbb{I}$

Local maximum values at $x = \pi/2 + 2\pi k, k \in \mathbb{I}$