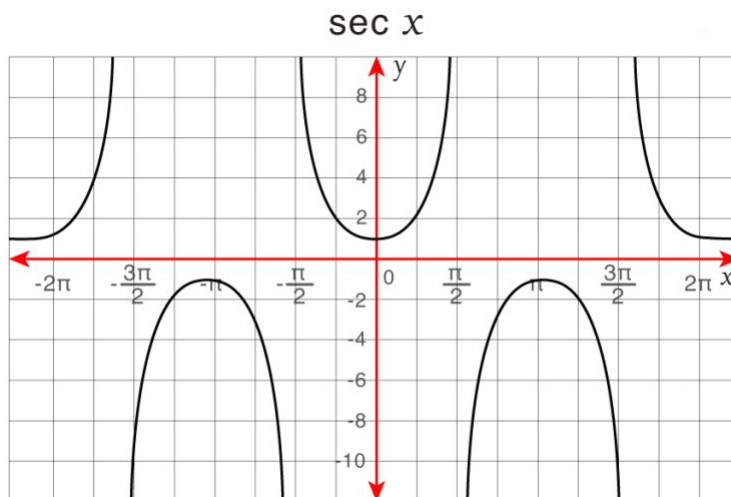
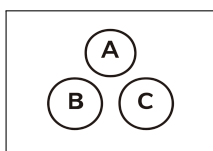
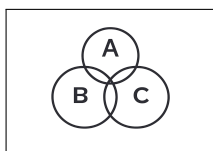




$$y = \sec(\theta)$$

$$\text{Dom}(y) \rightarrow \theta \neq \pi/2, 3\pi/2, \dots$$



$$y = \sec(\theta)$$

$$\text{Dom}(y) \rightarrow \theta \neq (n + 1/2)\pi, n = 0, \pm 1, \pm 2, \dots$$



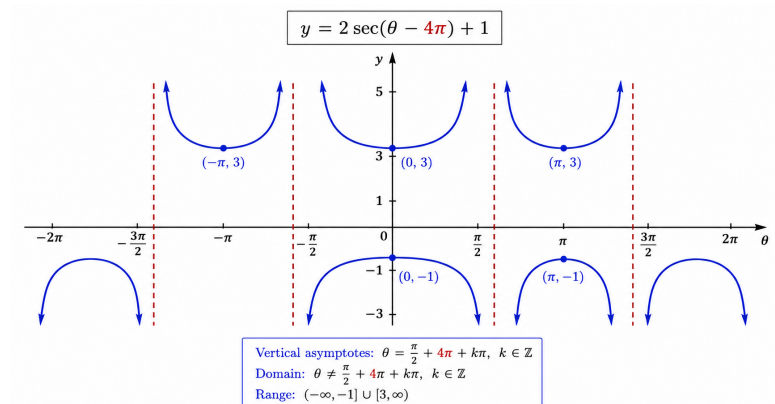
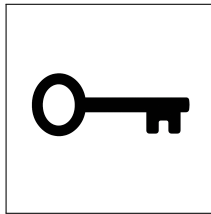
$$y = 2 \sec(3\theta - \pi/4) + 1$$

$$\text{Dom}(y) \rightarrow ?$$

# 24

## Facts and Properties Domain

# C



$$y = 2 \sec(\theta - \pi/4) + 1$$

$$\cos(\theta - \pi/4) = 0$$

$$\theta - \pi/4 = \pi/2 + n\pi$$

$$\theta = 3\pi/4 + n\pi, n = 0, \pm 1, \pm 2, \dots$$

$$\text{Dom}(y) \rightarrow \theta \neq 3\pi/4 + n\pi, n = 0, \pm 1, \pm 2, \dots$$