

Objectives

Graph and analyze
Tan ,cotan and
reciprocal
trigonometric
functions



Identify the amplitude and period of

- $y = 3 \cos(-3/4x)$ amplitude : period : °
- $y = 2 \tan 2x$ amplitude : period : °
- $y = \csc(-3/4x)$ amplitude : period : °
- $y = 2 \cot x$ amplitude : period : °
- $y = \cos(-3/4x)$ amplitude : period : °
- $y = 3 \tan(-1/3x)$ amplitude : period : °
- $y = \csc(-4x)$ amplitude : period : °
- $y = \sec(5x)$ amplitude : period : °
- $y = 3 \sin(-3x)$ amplitude : period : °
- $y = 2 \tan 2/5x$ amplitude : period : °
- $y = \tan 1/2x$ amplitude : period : °
- $y = 2 \cot(-x)$ amplitude : period : °
- $y = \sec(1/3x)$ amplitude : period : °
- $y = 3 \sec(5/3x)$ amplitude : period : °

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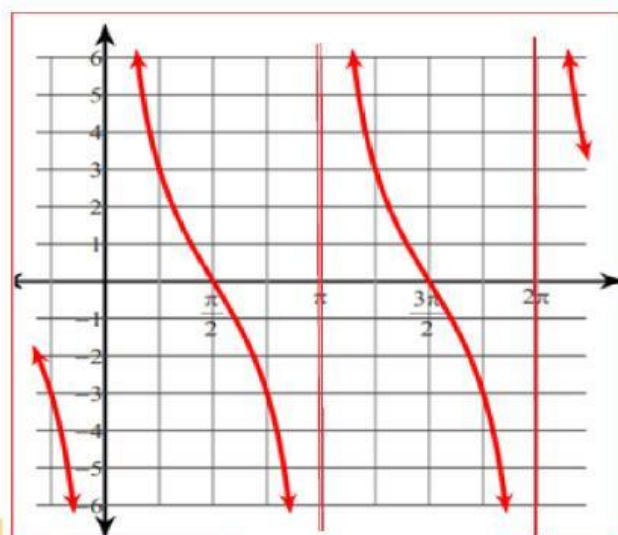
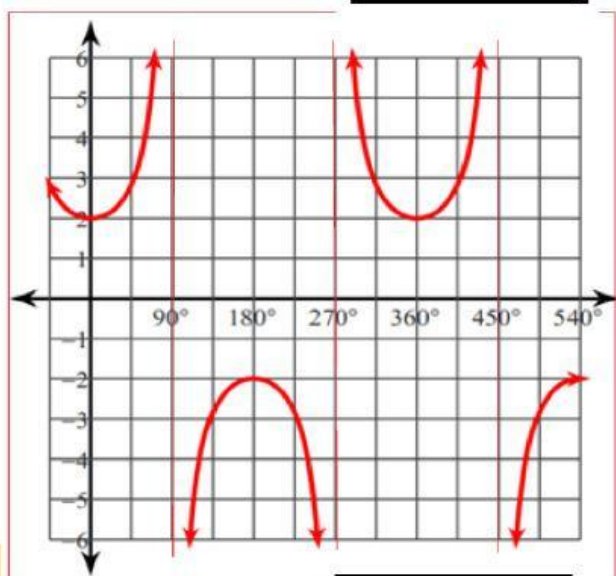
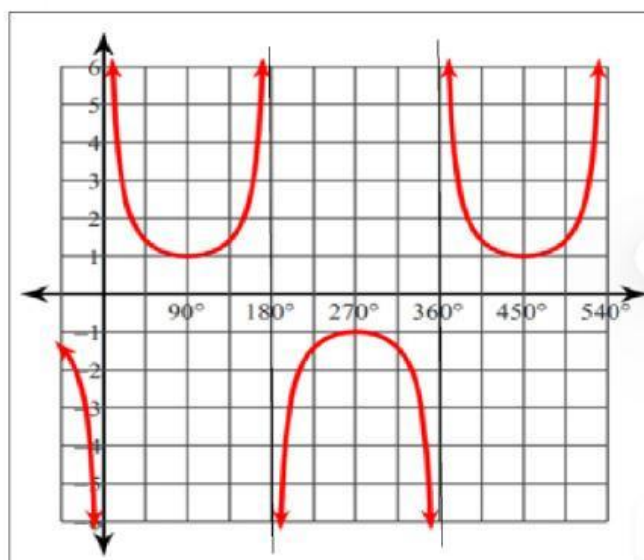
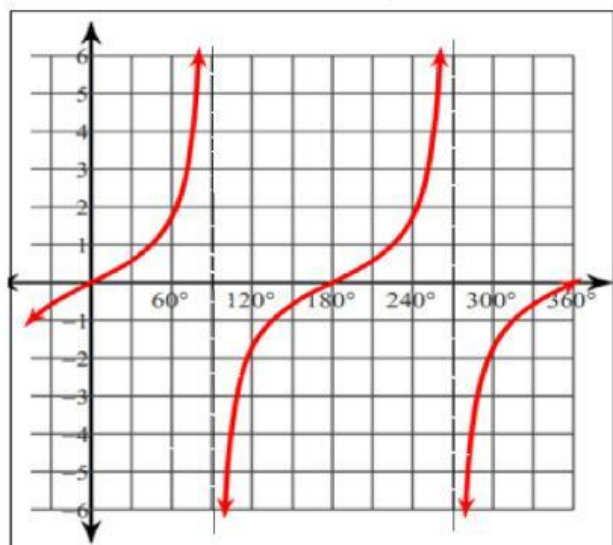


$$y = \tan \theta$$

$$y = 2 \sec \theta$$

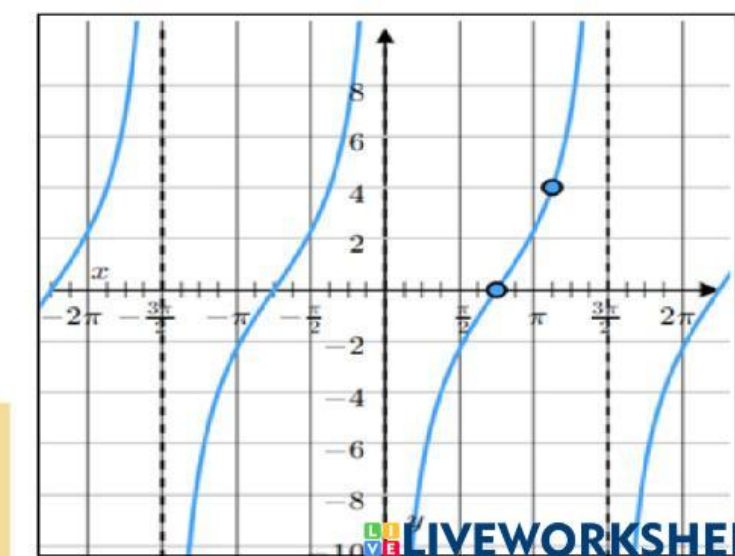
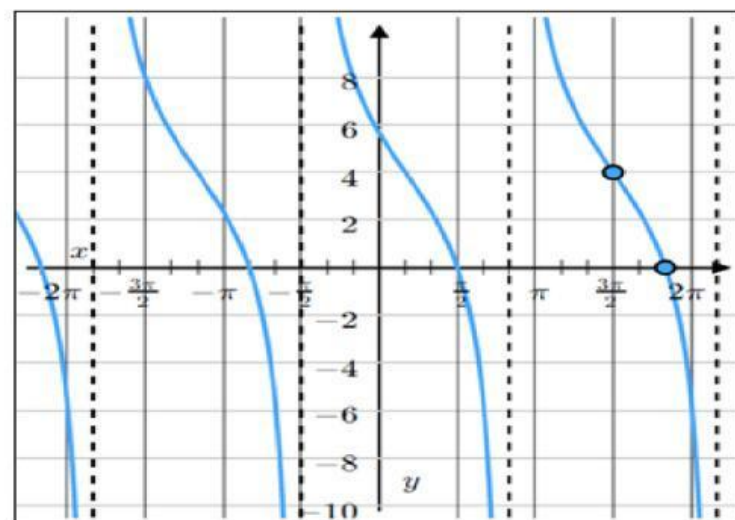
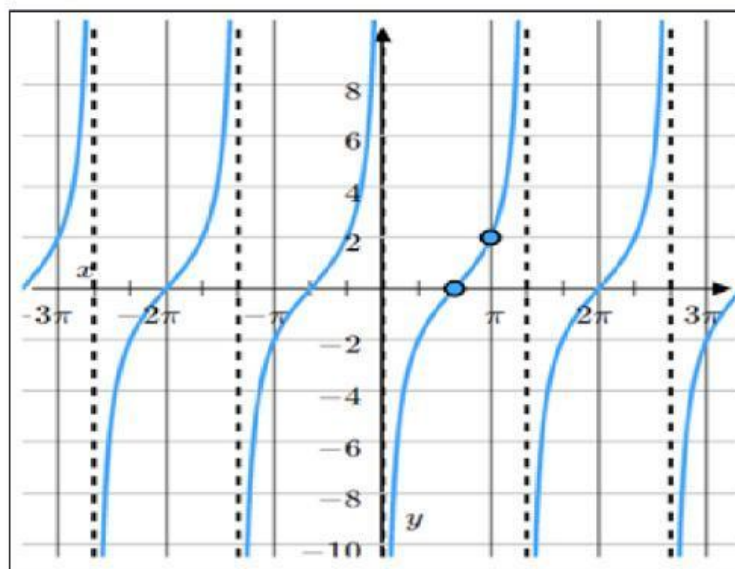
$$y = 3 \cot \theta$$

$$y = \csc \theta$$



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$$y = -4 \cdot \cot\left(\frac{2}{3}x\right)$$

$$y = -2 \cdot \cot\left(\frac{3}{4}x\right)$$

$$y = 4 \cdot \cot\left(\frac{3}{4}\left(x - \frac{5\pi}{6}\right)\right) + 4$$