

**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 :  °

**Objectives**

Graph and analyze Tan, cotan and reciprocal trigonometric functions

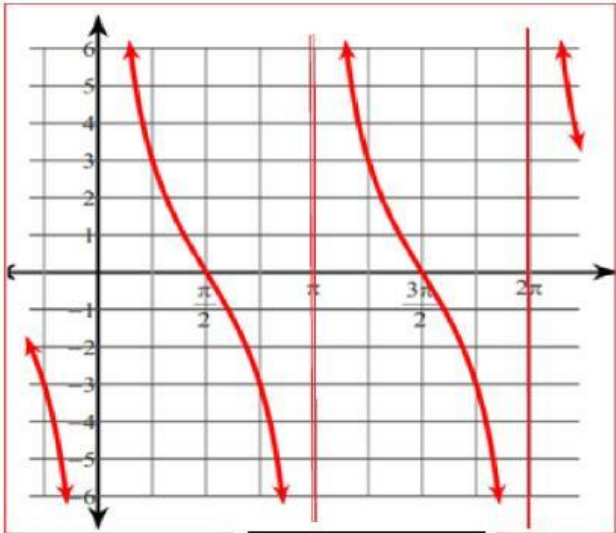
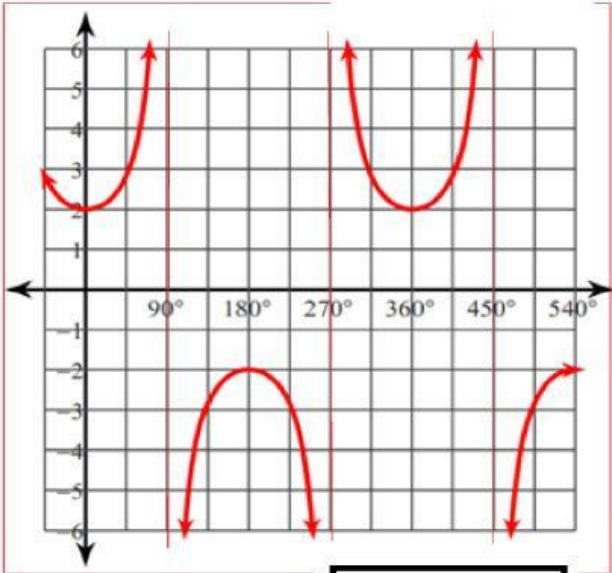
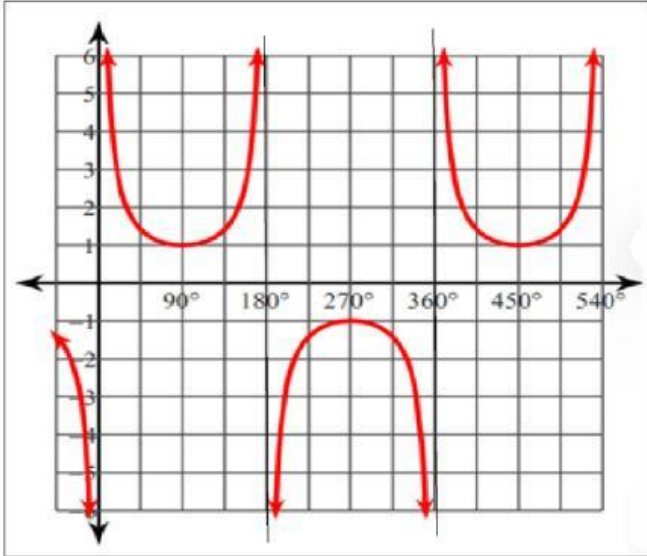
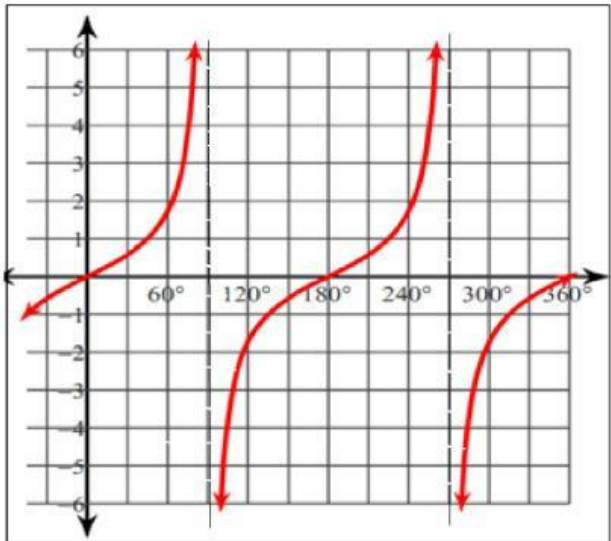


$$y = \tan \theta$$

$$y = 2\sec \theta$$

$$y = 3\cot \theta$$

$$y = \csc \theta$$



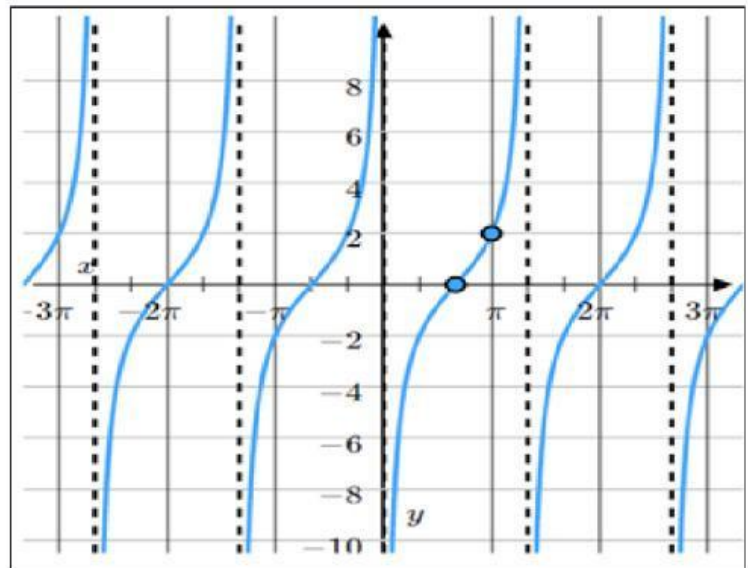


## Lesson 9-5

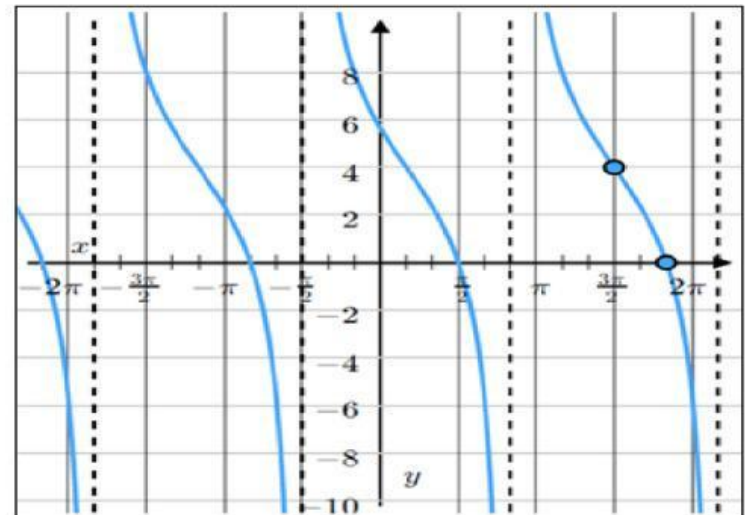
### Graphing Other Trigonometric Functions

### Objectives

Graph and analyze  
Tan ,cotan and  
reciprocal  
trigonometric  
functions



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



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

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

