

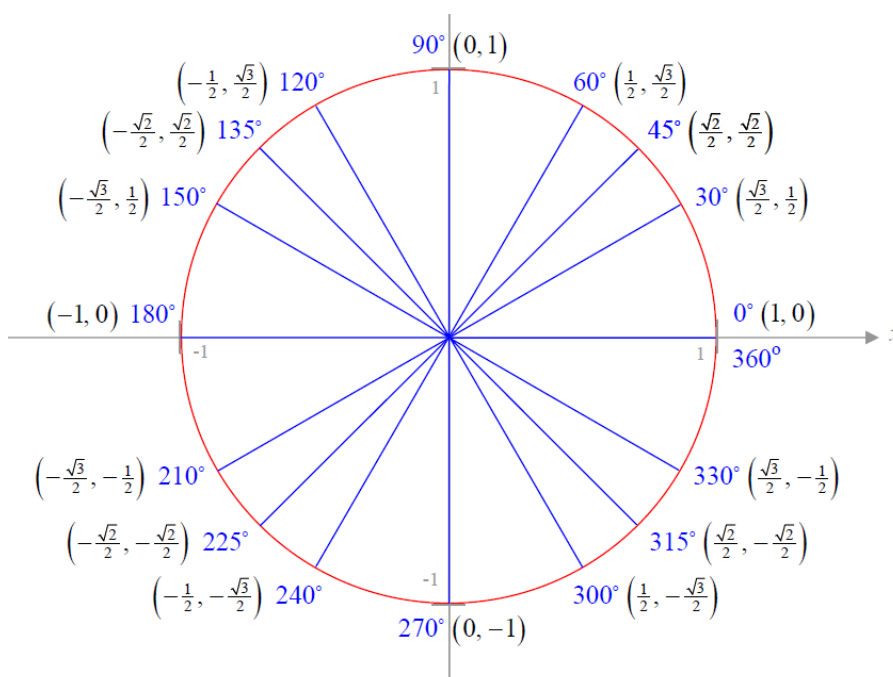
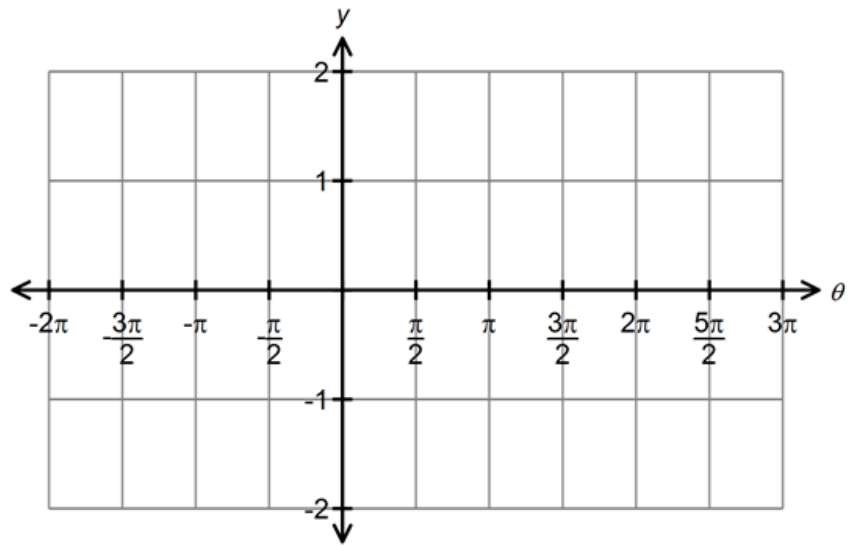
Lesson 5.3 Graphing tangent function

Lesson 5.3 Sketch the graph of $y = \tan \theta$.

A. Graph the function $y = \tan \theta$

Choose 5 key points associated with each graph \longrightarrow determine the characteristics of the graph

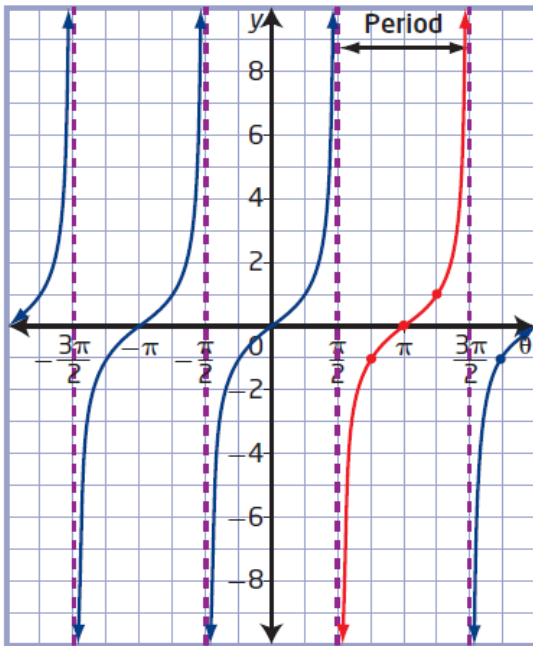
angle θ	$y = \sin \theta$



The tangent function relates to the ratio $\frac{y}{x}$ of the point where the terminal arm intersects the unit circle.

Lesson 5.3 Graphing tangent function

Characteristics:



θ	$\tan \theta$
89.5°	
89.9°	
89.999°	
$89.999\ 999^\circ$	

θ	$\tan \theta$
90.5°	
90.01°	
90.001°	
$90.000\ 001^\circ$	

(i) period:

(ii) Maximum/Minimum Value
Amplitude

(iii) x and y-intercepts:

(iv) Domain/Range: