

# Examples & Questions

Examples 1

Q: How can you use the unit circle to find the signs of points on the graph of the tangent function?

## Examples 2

Q: What do you notice about the graph of the tangent function? Q: When is the function positive? Negative? Q: How is a variable used to represent all values not in the domain of  $y = \tan x$ 

### Examples 3

Q: How does the value of a in  $y = a \tan bx$  affect the graph of the parent function? Q: How does the value of b in  $y = a \tan bx$  affect the graph of the parent function?

#### Examples 4

Q: Does the asymptote of the function change when a=3?

### Examples 5

Q: How are the secant and cosine functions relate? Q: How are the graphs of the cosine and secant functions similar?

#### Practice and Problem Solving

Complete MathXL for School: Practice and Problem Solving (online) Complete MathXL for School: Enrichment (online)

Challenge: #14, 25 – key will be posted in Power School Learning.

Lesson Quiz 7.3 & Notes