

Graphing Secant and Cosecant Functions

Date _____ Period _____

Graph each function using radians.

1) $y = 3\sec \theta$

2) $y = 2\sec 2\theta$

3) $y = 3\csc \frac{\theta}{3}$

4) $y = \frac{1}{2} \cdot \csc \frac{\theta}{2}$

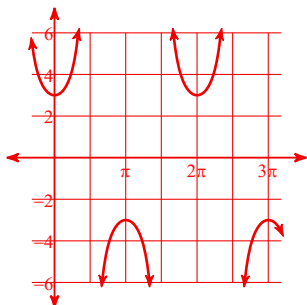
5) $y = 2\sec \left(\theta + \frac{\pi}{2} \right) + 2$

6) $y = -2 + 3\csc \left(2\theta + \frac{\pi}{4} \right)$

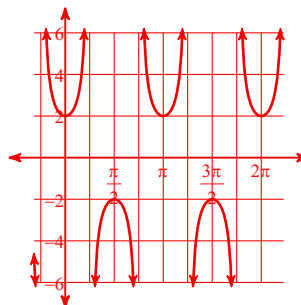
Graphing Secant and Cosecant Functions

Graph each function using radians.

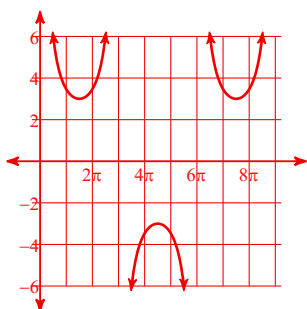
1) $y = 3\sec \theta$



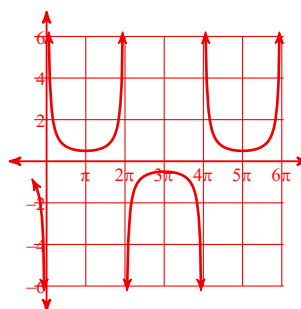
2) $y = 2\sec 2\theta$



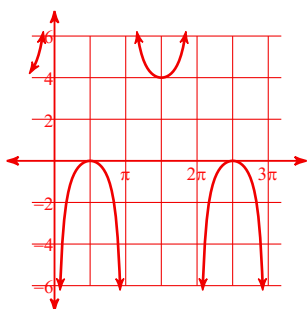
3) $y = 3\csc \frac{\theta}{3}$



4) $y = \frac{1}{2} \cdot \csc \frac{\theta}{2}$



5) $y = 2\sec \left(\theta + \frac{\pi}{2} \right) + 2$



6) $y = -2 + 3\csc \left(2\theta + \frac{\pi}{4} \right)$

