

4.5 Graphing Reciprocal Trig Functions

Date _____ Period _____

Graph each function using radians.

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

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

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

4) $y = 2\csc \theta$

5) $y = 3\csc \left(\theta - \frac{5\pi}{3} \right)$

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

7) $y = \sec \frac{\theta}{3} + 2$

8) $y = 2 + \sec \frac{\theta}{2}$

9) $y = 3\sec \theta - 1$

10) $y = 2\sec \theta - 1$

11) $y = 2\sec 2\theta - 1$

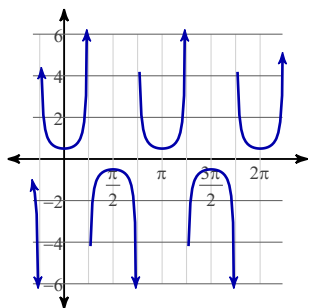
12) $y = -2 + 3\sec \frac{\theta}{3}$

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

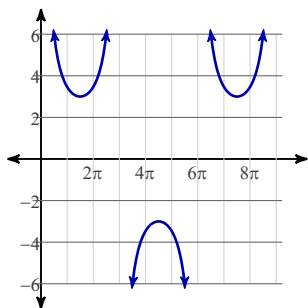
14) $y = \frac{1}{2} \cdot \sec \left(\theta - \frac{5\pi}{6} \right) + 2$

Answers to 4.5 Graphing Reciprocal Trig Functions (ID: 1)

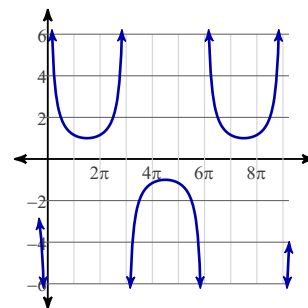
1)



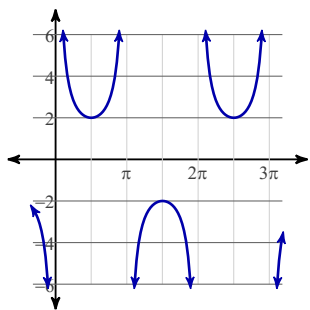
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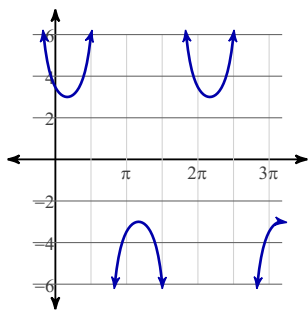
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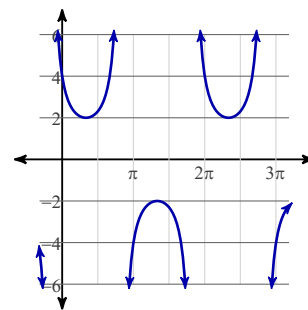
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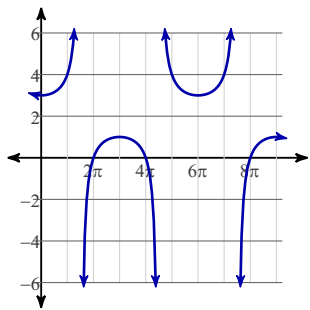
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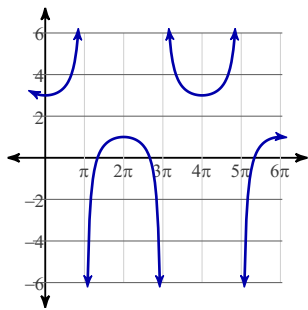
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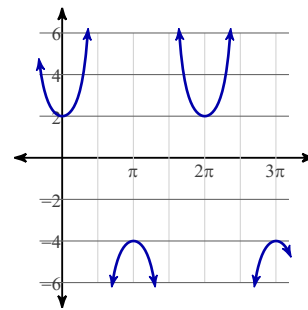
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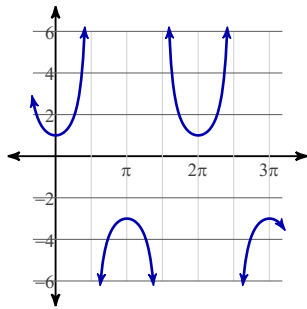
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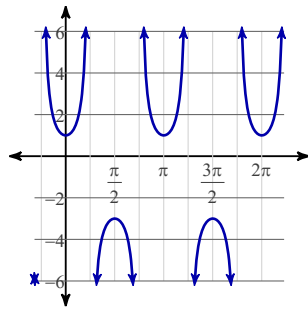
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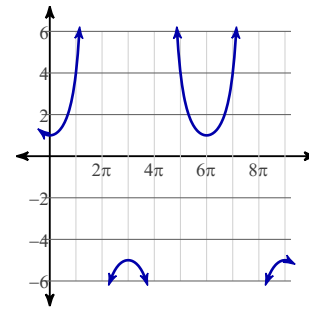
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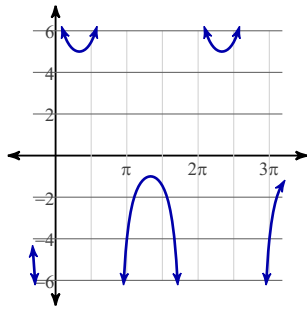
11)



12)



13)



14)

