

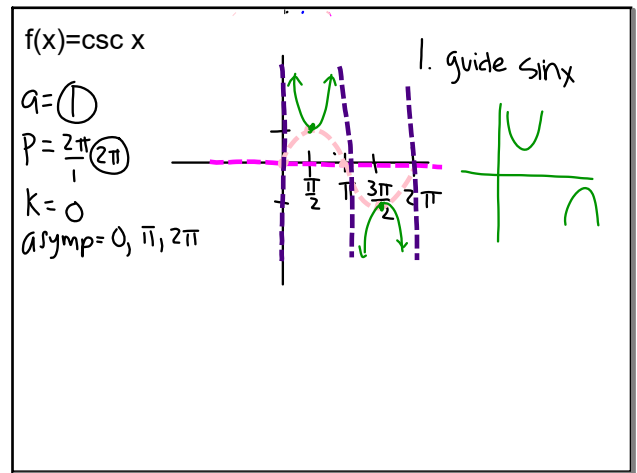
4.5 Reciprocal Graphs of Sec, Csc, Cot

Step 1: Draw the parent function as a guide
 sec-cos as a guide, csc-sin as a guide

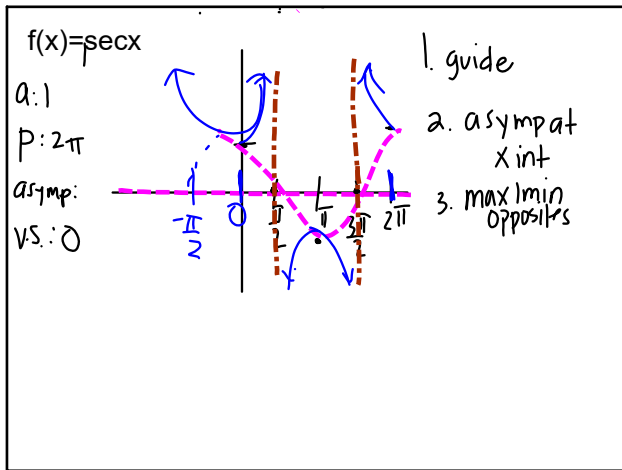
Step 2: Draw asymptotes, wherever the guide crosses the x-axis

Step 3: If the guide has a max between the asymptotes, then the reciprocal has a min and vice versa.

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Where is the tangent undefined?

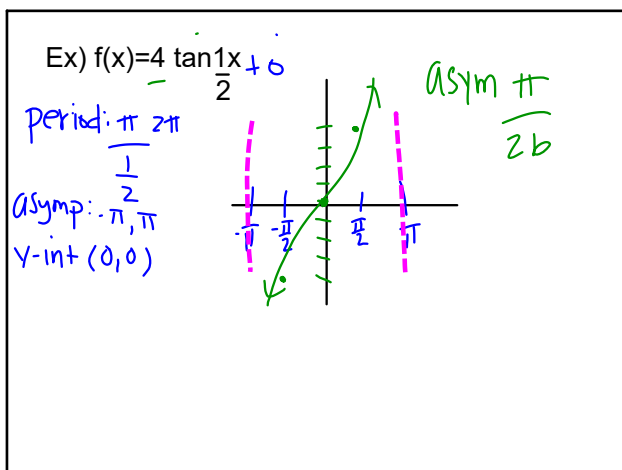
Why can't you get over your ex.... $\frac{y}{x} = 0$

Period of the tan and cot is π

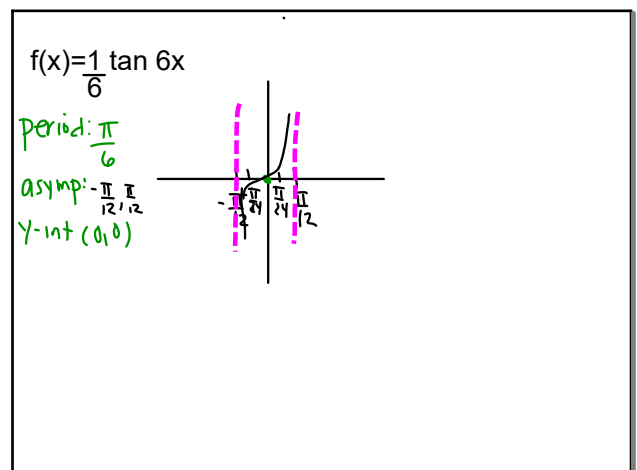
$\frac{x}{y} = 0, \pi, 2\pi$ cot undefined at 0

$\frac{y}{x} = 0$

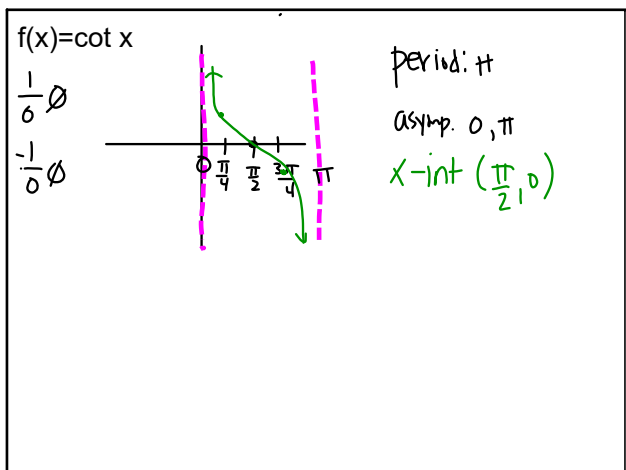
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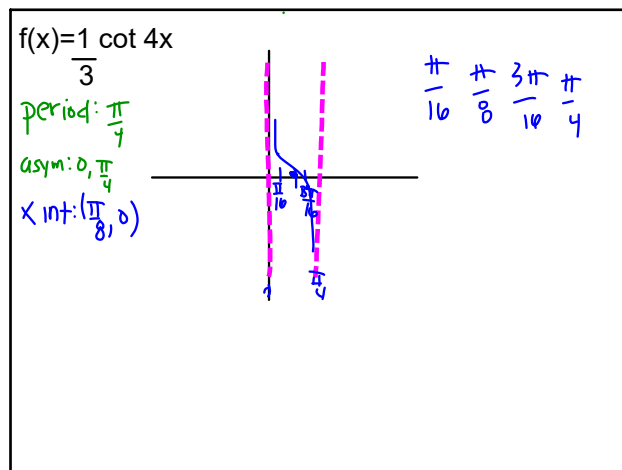
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Graph w.s. due 2/23
 Review due 2/23

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