

**Label the axes with appropriate values. Asymptotes should be dashed lines.**

13pts

1. For each of the following functions, **graph at least two periods** (one period in the positive x direction and one period in the negative x direction.) Find the pertinent information (amplitude, period, divisions of period, etc.) **Plot at least 5 points in each period.** Label the axes with appropriate values

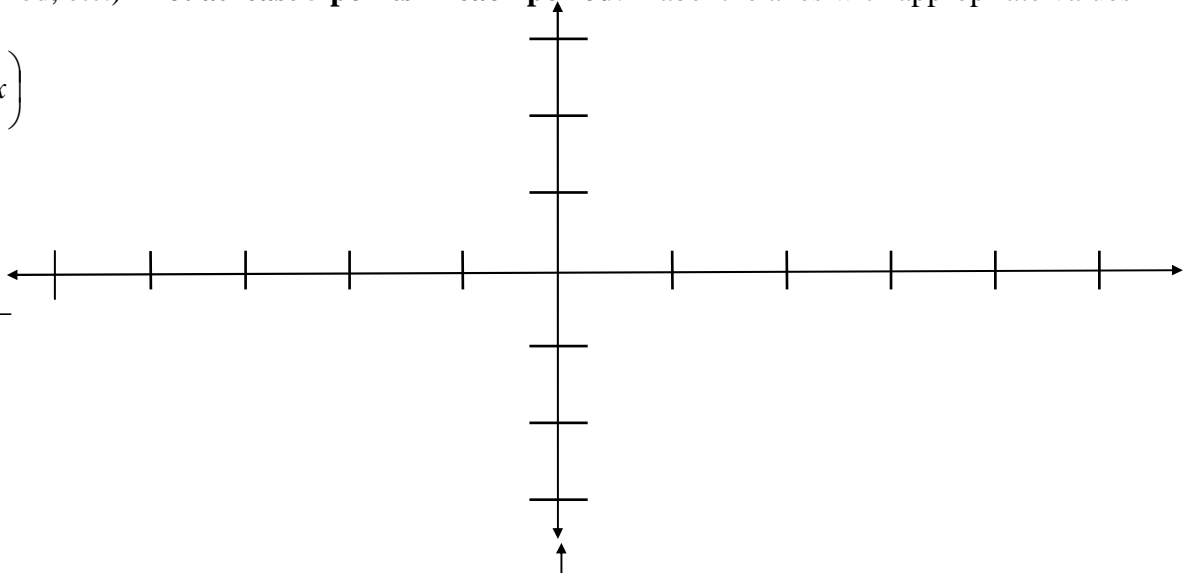
a.  $y = -\sin\left(\frac{1}{2}x\right)$

period: \_\_\_\_\_

amplitude: \_\_\_\_\_

x | y

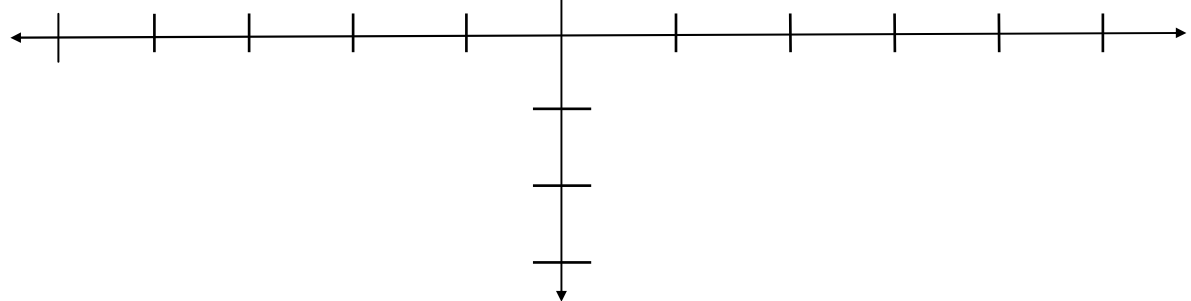
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b.  $y = -\csc\left(\frac{1}{2}x\right)$

x | y

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7pts

2. . Graph two periods of the following function. **Plot at least 3 points in each period and label them.**

$y = \cot x$

x | y

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