

Alg 2B Hwk #23 Sec 13-8 Graphs of Reciprocal Trig Functions Name:

For 1 and 2, sketch one period of each reciprocal trig function. Label coordinates of the max's and min's and identify the VA.

1.  $y = 8\text{Sec}(5x)$

2.  $y = -2\text{Csc}\left(\frac{x}{3}\right) + 1$

3.  $y = 4\text{Sec}\left(3\left(x - \frac{\pi}{6}\right)\right) - 7$

4. State the equations of 5 VA and the location of 5 x-intercepts of this function:  $y = \text{Cot}\left(\frac{7x}{2}\right)$

EQ of VA:

x-intercepts: