

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. $y = 8\sec(5x)$

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

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

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

EQ of VA:

x-intercepts: