

Written HW9 – MATH 1540 Fall 2020

**Due by 7 October for timely completion credit**

For the plots in this problem I need to see the following pieces of information for full credit: how you transformed the  $x$ -values by any horizontal transformation, how you transformed  $y$ -values by any vertical transformation, identify the midline in your plot, place anchor points on the  $x$ -axis, label the  $y$ -axis, and correctly place the trig functions on the plot.

1. Plot  $y = 2 \csc(5x) + 1$
2. Plot  $y = 3 \sec\left(x + \frac{\pi}{4}\right) + 2$
3. Plot  $y = -\cot\left(3\left(x - \frac{\pi}{2}\right)\right)$