Math 130 - Quiz 4

September 18, 2019

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary. You must work individually on this quiz. This quiz is due September 23.

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1. (3 points) Determine the locations of all asymptotes of the graph of $y = -2 + 5\tan(2x - \frac{\pi}{3})$.

2. (6 points) On the attached graph paper, carefully sketch the graph of $y = \cot(3x + \frac{\pi}{4})$. Clearly label your axes and the asymptotes.

3. (6 points) On the attached graph paper, carefully sketch the graph of $y = 1 + 2\csc(2x - \frac{\pi}{2})$. Clearly label your axes and the asymptotes.

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