5.5 - Graphs of Other Trigonometric Functions

Review Problems [total 14 points]

1. [5pts for each part: 4pts for correct quarter points, 1pt for correct range]
   (a)

   ![Graph of a trigonometric function with marked points and asymptotes.
   (b)

   ![Graph of a trigonometric function with marked points and asymptotes.

2. [4pts: 1pt for each answer]
   (a) \( \tan \left( \frac{\pi}{2} \right) \) undefined
   (b) \( \cot (-\pi) \) undefined
   (c) \( \sec (3\pi) = -1 \)
   (d) \( \csc(0) \) undefined

Basic Knowledge [total 20 pts]

1. [5pts each part: 3pts for correct asymptotes and minima/maxima (quarter points), 1 pt for correct range, 1pt for correct shape]
   (a)
**Intermediate Knowledge** [total 10pts]

1. (a) [5 pts: 3pts correct asymptotes and min/max, 1pt correct range, 1pt correct shape]

2. (b) [5 pts: 3pts correct asymptotes and x-int, 2pts correct shape]

**Advanced Knowledge** [total 4pts]

1. \( k = -\frac{3\pi}{4} \) [2pts]

2. \( y = 2 \csc \left( x - \frac{\pi}{2} \right) \) [2pts]