Name_____ **No calculators. Present neatly. Score**_____.

1) Produce the graph of f that reveals all the important aspects of the curve. In particular, you should use the signs of f' and f'' to identify the intervals of increase and decrease, extreme values, intervals of concavity, and inflection points.

$$y = 2x - \tan x, \quad -\pi/2 < x < \pi/2$$

Your work:

Name_____ No calculators. Present neatly. Score_____.

1) Produce the graph of f that reveals all the important aspects of the curve. In particular, you should use the signs of f' and f'' to identify the intervals of increase and decrease, extreme values, intervals of concavity, and inflection points.

$$y = \sec x + \tan x, \quad 0 < x < \pi/2$$

Your work: