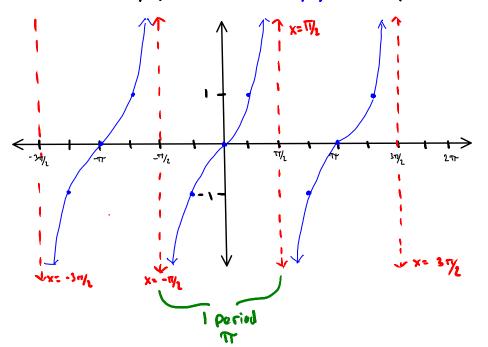
- Tan funct. is "odd" [ton (-x) = -tanks]
- Graph of tan funct. is symmetric to the origin
- Tan funct. is UNDEFINED when cosx=0

- Period of tan is T
- Domain is The except x= I + n Tr
- Range is (- 00,00)
- Vertical Asymptotes are -1/2, 11/2 for / period [x=#]



Two consecutive asymptotes can be found by solving the eqn:

$$bx-c = -\frac{\pi}{2}$$
 and  $bx-c = \frac{\pi}{2}$ 

The mid-point between the asymptotes is the x-intercept.

After plotting the asymptotes and the x-intercept, plot a few additional points between the asymptotes then sketch the cycle.

Ex. 1 Sketch the function

