

CALCULUS PROBLEMS

1. PRECALCULUS

1.

Define all functions $\theta_i(x)$, $i=0, \pm 1, \pm 2 \dots$ which are given by an implicit expression

$$x - \tan t = 0.$$

2.

Define all functions $\theta_i(x)$, $i=0, \pm 1, \pm 2 \dots$ which are given by an implicit expression

$$x - \cos t = 0.$$

$$[A : \theta_k = (-1)^k \arccos x + 2k\pi]$$