## Answer on Question \#48477 - Math - Calculus

## Problem.

Sketch the graph of f by hand and use your sketch to find the absolute and local maximum and minimum values of $f$. (If an answer does not exist, enter DNE.)
$f(t)=5 \cos t,-3 \pi / 2 \leq t \leq 3 \pi / 2$
absolute maximum
absolute minimum
local maximum
local minimum


The absolute maximum is 5 at $t=0$.
The absolute minimum is -5 at $t=\pi$ and $t=-\pi$.
The local minimums are -5 at $t=\pi$ and $t=-\pi$.
The local maximum is 5 at $t=0$.

