

King Fahd University of Petroleum & Minerals
Department of Mathematical Sciences
Math 201: Calculus III
Quiz # 1

For the curve

C: $x = 2\cos t$, $y = 4\sin t$, $0 \leq t \leq 2\pi$

Do the following

- i. Sketch it and give direction of movement.**
- ii. Find all the values of t where tangent is vertical.**