Math 53 (Multivariable Calculus), Section 102 & 108
Week 1, Friday
Aug 26, 2022

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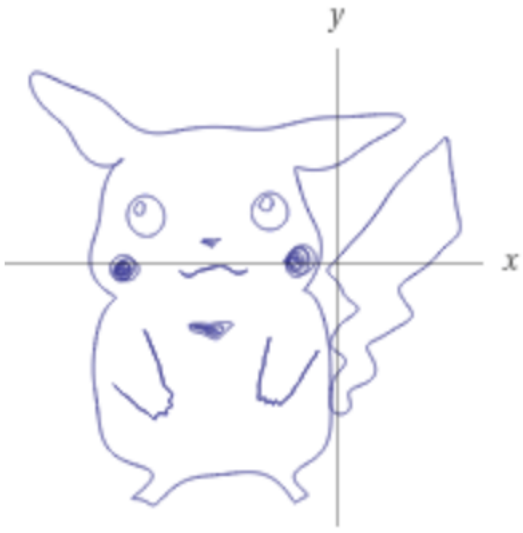
1. What you have learned in Math 1A and 1B?
2. Sketch the following curves: $(-\infty < t < \infty)$
   (a) $x = 2t - 1, y = 3t + 1$
   (b) $x = e^t, y = e^{2t}$
   (c) $x = |\cos t|, y = |\sin t|$
   (d) $x = e^{-t}\cos t, y = e^{-t}\sin t$
3. Consider a parametrized curve $(x, y) = (f(t), g(t))$ parametrized by t. Could you explain a difference between it with another curve parametrized by $(x, y) = (f(2t), g(2t))$?

Here's a Pikachu curve for you:



Reference: https://www.wolframalpha.com/input?i=pikachu+curve