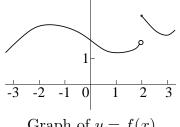
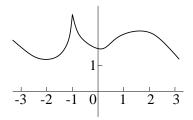
Problem statement The graphs of two functions, f(x) and f(x), are shown below. Answer the following questions as well as possible by considering these graphs.

- a) What is the largest possible radius of convergence of a power series centered at 0 whose sum is f(x)?
- b) What is the largest possible radius of convergence of a power series centered at 0 whose sum is g(x)?



Graph of y = f(x)



Graph of y = g(x)