**Problem statement** Suppose \( f(x) = \sqrt[4]{x} \).

a) Find the graph of \( y = f(x) \) in the window \(-5 \leq x \leq 5\) and \( 0 \leq y \leq 10\).

b) What is the domain of \( f \)? Verify your statement.

c) Solve \( y = f(x) \) for \( x \). What is the range of \( f \)? Your expression for \( x \) in terms of \( y \) may help to verify your statement.