1. (points) Let \( f(x) = x + \frac{1}{x} \) and \( g(x) = x - \frac{1}{x} \).

   (a) What is the domain of \( f \)?

   (b) What is the domain of \( g \)?

   (c) Write the formula for the function \( (f + g)(x) \).

   (d) What is the domain of \( (f + g)(x) \)?

   (e) What is the domain of \( (f/g)(x) \)?