Q1) find f+g, f-g, fg, and f/g for using the following functions:

$$f(x) = \sqrt{x - 2}; \; g(x) = \sqrt{x + 4}$$

Q2) Find (f o g) and (g o f) for the following functions:

$$f(x) = \frac{1}{2x}; \; g(x) = \frac{1}{3x}$$

Q3) Decompose the following function into f(x) and g(x)

$$y = (\tan x)^2 + 1$$