Problem statement Determine the inverse function of each of the following functions:

a) $f_1(x) = 2x - 3$ b) $f_2(x) = x^3 - 8$ c) $f_3(x) = \dfrac{2x + 3}{x + 2}$ d) $f_4(x) = \dfrac{e^x}{e^x + 1}$