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) $f_3(x) = \frac{2x + 3}{x + 2}$    d) $f_4(x) = \frac{e^x}{e^x + 1}$