

a) $f_1(x) = -x^2 + 2x - 3$

b) $f_2(x) = x^2 + x + 3$

c) $f_3(x) = 2x^2 - 5x + 3$

d) $f_4(x) = -2x^2 - 5x + 3$

e) $f_5(x) = x^2 + x + \frac{1}{4}$

