

Provide a clear and organized presentation. Clearly sketch the graph of each of the functions described below and label in your graph all intercepts, asymptotes, local extrema, and inflection points. For all of the points labeled, give exact values only for the x-coordinates (y-coordinates can be approximated)

1. $f(x) = \frac{x-3}{(x+2)^2}$

2. $f(x) = x^{7/5} - x^{2/5}$