a. [2 points] Find the x-coordinates of all critical points of p(x). If there are none, write NONE.

Answer: Critical points at x =

In parts **b.** - **d.** below, you are asked to find extrema (local or global) of p(x) on a given interval. If there are none of a particular type, write NONE. Use calculus to find your answers, and make sure you show enough evidence to justify your conclusions.

b. [3 points] Find the x-coordinates of all local minimum(s) and local maximum(s) of p(x) on the interval (-2, 3).

Answer: Local min(s) at x = _____

Answer: Local max(es) at x =

c. [4 points] Find the x-coordinates of all global minimum(s) and global maximum(s) of p(x) on the interval [-2, 3].

Answer: Global min(s) at x = _____

Answer: Global max(es) at x =

d. [2 points] Find the x-coordinates of all global minimum(s) and global maximum(s) of p(x) on the interval (-2, 3).

Answer: Global min(s) at x = _____

Answer: Global max(es) at x =