MTH 201 -- Calculus
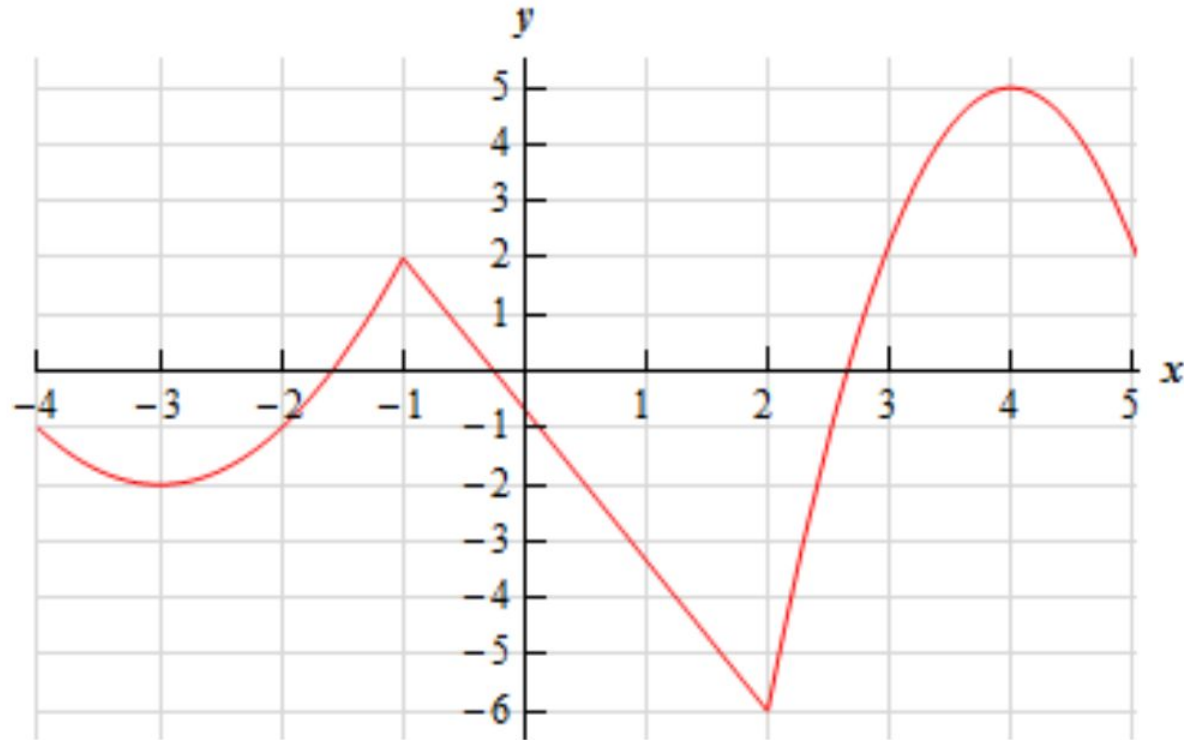# Module 7A: Extreme values and critical numbers
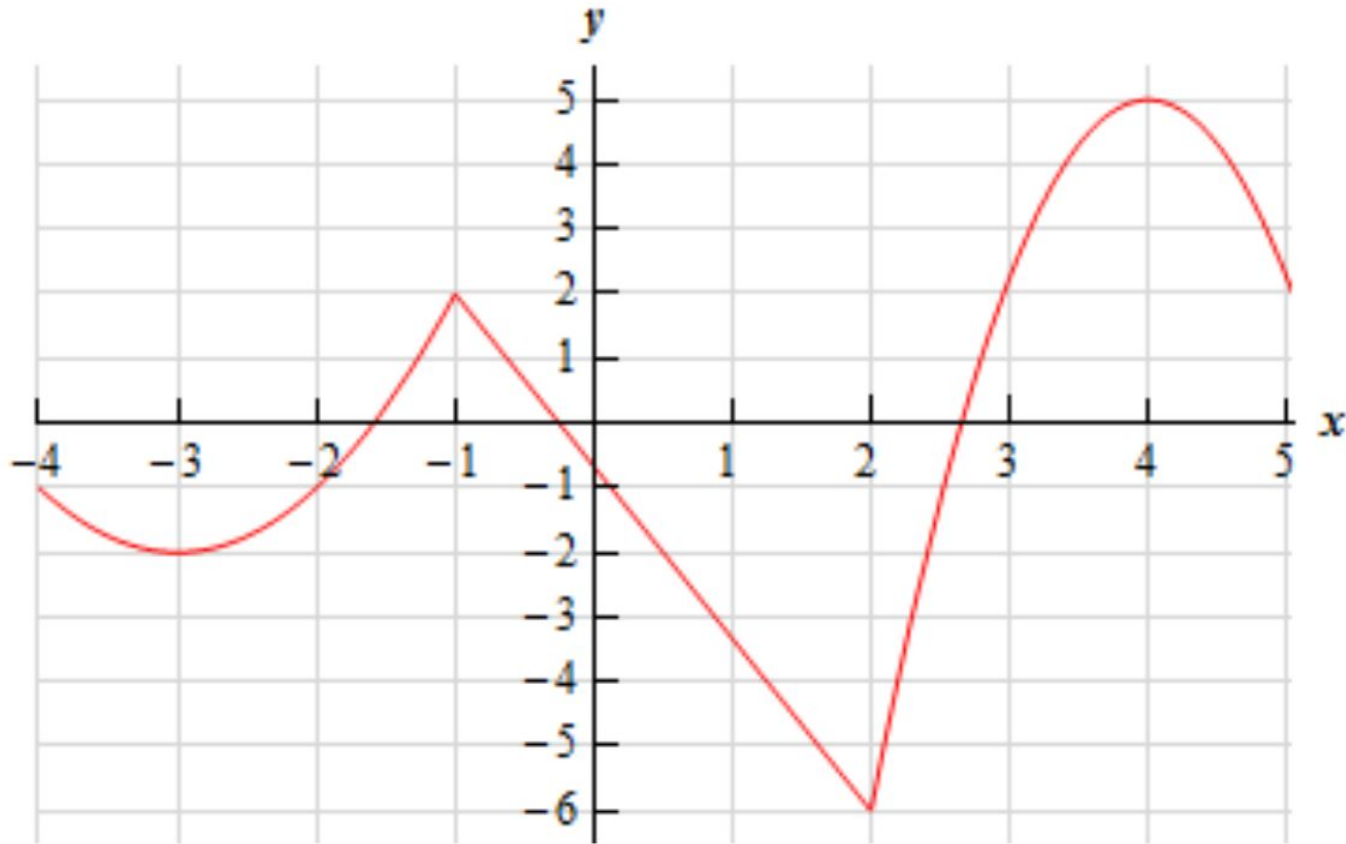
October 19-20, 2020

Agenda for today

- Polling activity over Daily Preparation + Q&A time
- Activity: Finding critical numbers and applying the First Derivative Test
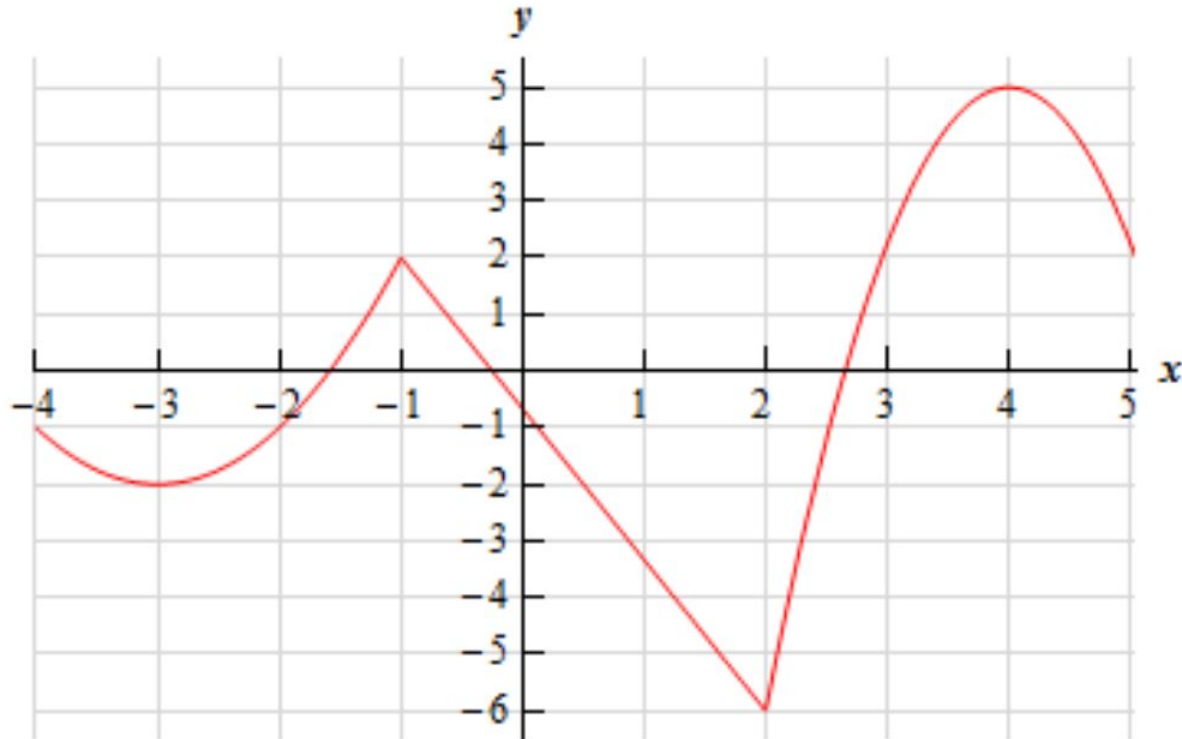- Q/A + Feedback time

Click on all the RELATIVE MAXIMUMS of this function.
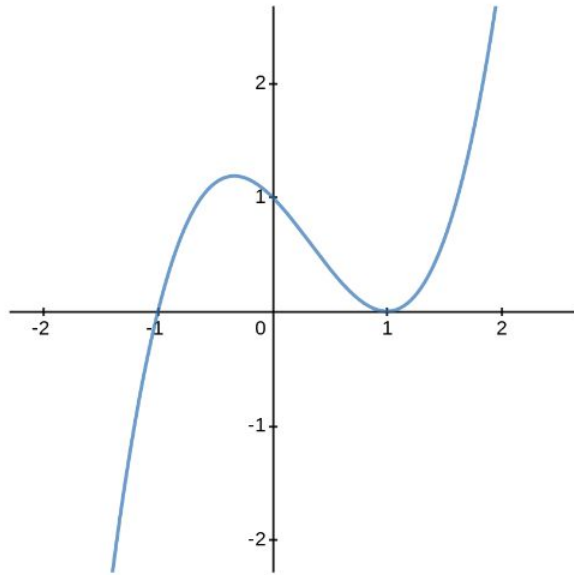
Click on all the ABSOLUTE MINIMUMS of this function.

Click on all of the points of this graph where there is a CRITICAL NUMBER (or critical value).

Practice at Jamboard with a minilecture about sign charts

Shown here is the graph of $g'(x)$ -- the DERIVATIVE of another function $g(x)$. What can we conclude about the original, unseen function $g(x)$? Select all that apply.

g has critical values at $x = -1, +1$

g has a local minimum at $x = 1$

g has a local minimum at $x = -1$

g has a local maximum between $x = -1$ and $x = 0$

g has a critical value at $x = 1$ that is not a local extreme value