

Name: Solutionsman

Section: 5 6

Here is a graph of the a function $y = f(x)$:Is this function continuous on $[-1, 7]$? Yes.

Determine the critical numbers for $f(x)$. $x = 1, 2, 3, 4, 6$ and all #s in $(2, 3)$.
 Also, some may say that $x = 5$ and $x = 7$ are also critical #s.

Determine all local minimum and maximum for $f(x)$.Local max @ $x = 1, 4, 7$ and all #s in $(2, 3)$ Local min @ $x = -1, 6$ and all # in $[2, 3]$.Determine the absolute minimum and maximum for $f(x)$.Abs. max at $x = 1$ of 5 and abs. min at $x = -1$ of -5.