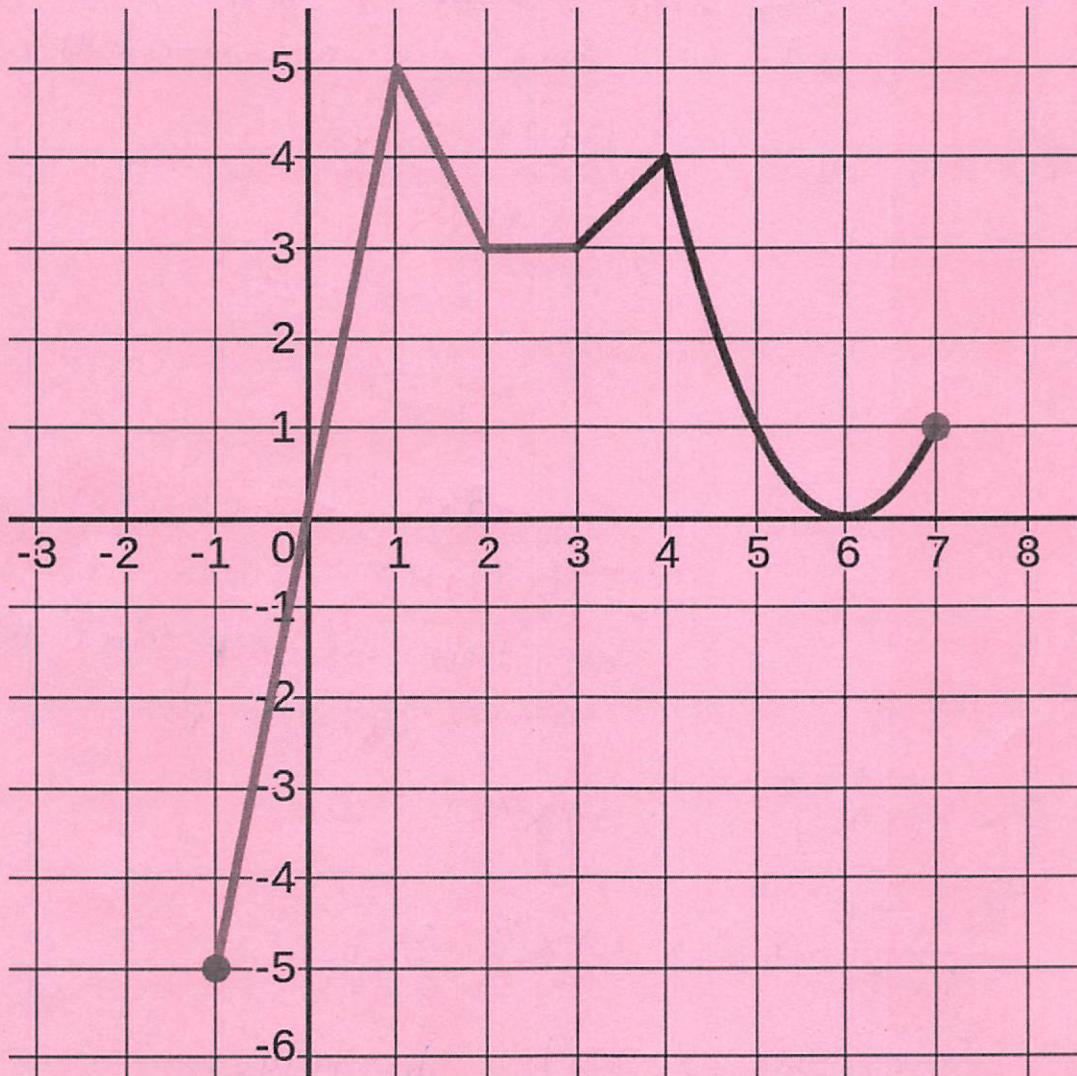


Worksheet 7

/ 15 points

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.