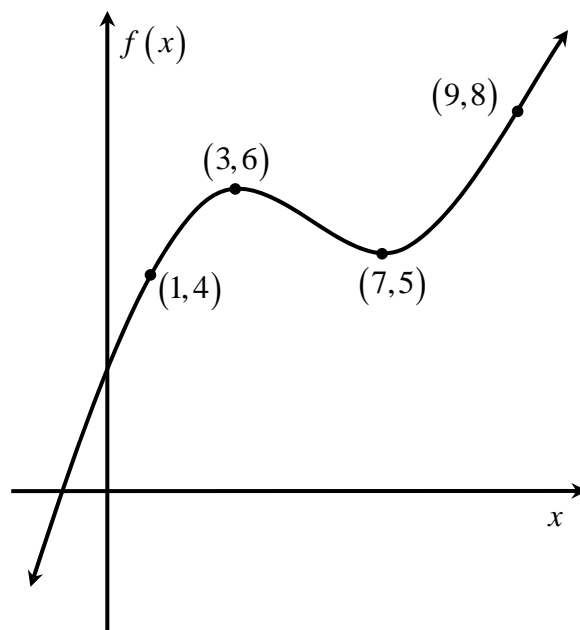


Group Work 06: Relative and Absolute Extrema SOLUTIONS

Math 163A (Barsamian), Monday, October 23, 2006

Here is the graph of a function f .



Fill in the table.

Interval	Relative Maxima in that interval	Relative Minima in that interval	Absolute Max in that interval	Absolute Min in that interval
$[1,9]$	$(3,6), (9,8)$	$(1,4), (7,5)$	$(9,8)$	$(1,4)$
$[1,9)$	$(3,6)$	$(1,4), (7,5)$	none	$(1,4)$
$(1,9]$	$(3,6), (9,8)$	$(7,5)$	$(9,8)$	none
$[3,9]$	$(3,6), (9,8)$	$(7,5)$	$(9,8)$	$(7,5)$
$(3,9)$	none	$(7,5)$	none	$(7,5)$
$(-\infty, \infty)$	$(9,8)$	$(7,5)$	none	none