

### Intellectual Need Task for The Extreme Value Theorem

For each interval below, does the function (graphed below) attain a maximum and minimum value?



1.  $(1, 2.5)$
2.  $[1.25, 2]$
3.  $[1.25, 2)$
4.  $[1.5, 3]$
5.  $[2, 3.5]$