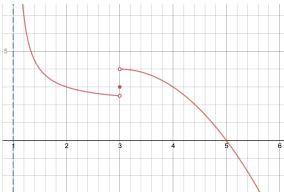
## **Intellectual Need Task for The Extreme Value Theorem**

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]