## Intellectual Need Task for Slopes of Secants and Tangents

Below is a graph of a function


Which of the following shows the tangent line to the graph at point B ?
i.

ii.

iii. The tangent line exists, but isn't either of the previous options
iv. There is no tangent line to the graph at point B

What would tangent lines look like at points $\mathrm{A}, \mathrm{C}$, and D ?

