AP Calculus AB Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Derivative as a Function Limits, Cont., & R.O.C Day 10

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| 1. For the function whose graph is given, arrange the following numbers in increasing order and explain your reasoning. |  |

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| --- | --- | --- | --- |
| 2. Match the graph of each function in A.)-D.) with the graph of the derivative in I-IV. Give reasons for your choices. | | | |
| A.) | B.) | I.) | II.) |
| C.) | D.) | III.) | IV.) |

|  |  |  |
| --- | --- | --- |
| 3.-7: Use the given graph to sketch the graph of . | 3. | 4. |

AP Calculus AB Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Derivative as a Function Limits, Cont., & R.O.C Day 10

5.-7:Use the given graph to sketch the graph of .

|  |  |  |
| --- | --- | --- |
| 5. | 6. | 7. |

|  |  |
| --- | --- |
| 8.-11: The graph of is given. State, with reasons, the numbers at which is not differentiable. | |
| 8. | 9. |
| 10. | 11. |