IB HL 1: Difference Quotient and Definition of Derivative Notes:

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|  | Notation of Derivative:  |

Ex) Find by computing the limit of difference quotient.



Ex) Find the derivative of f(x) using the first principle. 

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| For given functions, Find by computing the limit of the difference quotient. 1.

Find  by the first principle of derivative. | * Difference Quotient:
 |
| 1.
 | * Limit of Difference Quotient:
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| 1.
 | * Definition of Derivative (the first principle)

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