**GENERAL DERIVATIVE RULES**

|  |  |
| --- | --- |
| **Constant Rule** |  |
| **Constant Multiple Rule** |  |
| **Sum Rule** |  |
| **Difference Rule** |  |
| **Product Rule** |  |
| **Quotient Rule** |  |
| **Chain Rule** |  |

**DERIVATIVE RULES FOR PARTICULAR FUNCTIONS**

|  |  |  |
| --- | --- | --- |
| **FUNCTION** | **BASIC RULE** | **CHAIN RULE** |
| **Power** |  |  |
| **TRIGONOMETRIC FUNCTIONS** | | |
| **Sine** |  |  |
| **Cosine** |  |  |
| **Tangent** |  |  |
| **Cosecant** |  |  |
| **Secant** |  |  |
| **Cotangent** |  |  |
| **INVERSE TRIGONOMETRIC FUNCTIONS** | | |
| **Arcsine** |  |  |
| **Arccosine** |  |  |
| **Arctangent** |  |  |
| **Arccosecant** |  |  |
| **Arcsecant** |  |  |
| **Arccotangent** |  |  |
| **EXPONENTIAL FUNCTIONS** | | |
| **Exponential (base e)** |  |  |
| **Exponential (base a)** |  |  |
| **LOGARITHMIC FUNCTIONS** | | |
| **Natural Logarithm** |  |  |
| **Logarithm (base a)** |  |  |

**Icon

Description automatically generated with medium confidence**