Rules of Differentiation

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Linearity Rule

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |

Product Rule

|  |  |
| --- | --- |
|  |  |
|  |  |

Quotient Rule

|  |  |
| --- | --- |
|  |  |
|  |  |

Chain Rule

|  |  |
| --- | --- |
|  |  |
|  |  |

Chain Rule Example:

If:

Therefore: