# HIGH LEVEL REQUIREMENTS:

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| **Requirements ID** | **Description** |
| HL\_01 | Arithmetic Operations |
| HL\_02 | Powers, Square root, Cube root and Higher roots of a number |
| HL\_03 | Basic Trigonometric functions |
| HL\_04 | Natural logarithm and logarithm to base 10 |
| HL\_05 | Inverse, Floor, Ceil and Absolute value of a number |
| HL\_06 | Degree to Radians and Radians to Degree |
| HL\_07 | Display should have maximum of 12 digits and all the operations should be done within this limit. |

# LOW LEVEL REQUIREMENTS:

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| Requirements ID | Descriptions |
| HL\_01\_LL\_01 | Arithmetic operations across whole numbers, fractions, decimals, not for complex numbers without any ambiguity conditions. |
| HL\_02\_LL\_02 | Should perform index operations across all the number types apart from complex numbers and ambiguity conditions. |
| HL\_03\_LL\_03 | Perform basic trigonometric functions sine, cosine, tangent and cotangent for radians. |
| HL\_04\_LL\_04 | Perform Logarithmic operations for numbers above zero. |
| HL\_05\_LL\_05 | Perform Inverse without ambiguity condition and Floor, Ceil and absolute value for all floating value types. |
| HL\_06\_LL\_06 | Convert degrees to radians and vice-versa. |
| HL\_07\_LL\_07 | Use double data type to avoid overflow and to display within 12 digits on screen. |