# TEST PLAN:

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| --- | --- | --- | --- | --- | --- | --- |
| **TEST ID** | **Description** | **Precondition** | **Expected input** | | **Expected output** | **Actual output**  **And status** |
| HL\_01\_LL\_01\_LT\_01 | Check for addition of two 12 digit numbers | Select add in menu | 999,999,999,999,999  And 999,999,999,999 | | 1,999,999,999,998 | 1,999,999,999,998  Pass |
| HL\_01\_LL\_01\_LT\_02 | Check for subtraction of 12 digit numbers | Select subtract in menu | 999,999,999,999,999  And 111,111,111,111 | | 888,888,888,888 | 888,888,888,888  Pass |
| HL\_01\_LL\_01\_LT\_03 | Check for division by 0 digit numbers | Select divide in menu | 10 and 0 | | 0 | 0  Pass |
| HL\_01\_LL\_01\_LT\_04 | Check for multiplication of 12 digit numbers | Select multiply in menu | 999,999,999,999,999  And 999,999,999,999 | | 9.99999999E23 | Overflow  Fail |
| HL\_02\_LL\_02\_LT\_05 | Check for o power o | Select power in menu | | 0 and 0 | 0 | 0  pass |
| HL\_02\_LL\_02\_LT\_06 | Check for o power 1 | Select power in menu | 0 and 1 | | 1 | 1  Pass |
| HL\_02\_LL\_02\_LT\_07 | Check for negative values inside square root | Select square root in menu | -1 and 2 | | 0 | 0  Pass |
| HL\_02\_LL\_02\_LT\_08 | Check for negative values inside cube root | Select cube root in menu | -1 and 3 | | 0 | 0  Pass |
| HL\_02\_LL\_02\_LT\_09 | Check for negative values inside Higher root | Select Higher root in menu | -1 and 5 | | 0 | 0  Pass |
| HL\_04\_LL\_04\_LT\_10 | Check log for negative value | Select Natural Logarithm in menu | -20 | | 0 | 0  Pass |
| HL\_04\_LL\_04\_LT\_11 | Check log base 10 for negative value | Select Logarithm in menu | -10 | | 0 | 0  Pass |
| HL\_05\_LL\_05\_LT\_13 | Check for inverse of 0 | Select inverse in menu | 0 | | 0 | 0  Pass |