

Proof:-

Root M (All members of The Positive Reals Set M) = Root M:-

We see that All Negative Reals N, when squared give The Positive Reals M

Thus: $((-N)^2) = M$

So that $M^{1/2} = +/- ((N)^2)^{1/2}$ (Rooting RHS and Rooting LHS of the Equation above)

Thus, Proof :- $M^{1/2} = +/-N$

This is Therefore TRUE for all the Positive Reals, for (Both) M and N