
```
nthroot(27,3) %a)
nthroot(1,5) %b)
nthroot(-1,3) %c)

clc
clear
%4
% a
disp(['Answer to 4a is: ',num2str(1i^2)];%i is represented by 1i
% b
disp(['Answer to 4b is: ',num2str( log((1+1i)/2))]);
% c
disp(['Answer to 4c is: ',num2str((1-1i)^(1i+3))]);
% d
disp(['Answer to 4d is: ',num2str( sin(log((1-1i)/(1+1i))))]);

ans =

     3

ans =

     1

ans =

    -1

Answer to 4a is: -1
Answer to 4b is: -0.34657+0.7854i
Answer to 4c is: -2.6357-5.6158i
Answer to 4d is: 0-2.3013i
```

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