Ivani Patel
WSU ID- 11809154

Assignment 8

Editor - C:\Users\ivani\OneDrive\Documents\MATLAB\hw8.m

simprule.m | lec9.m | hw8.m

```
integrand=@(x) sin(10/x)*100/x;
exact= -18.79829683678703;
for npairs=1:4
    npts=4*npairs+1;
    T=ctraprule(integrand,1,3,npts);
    S=simprule(integrand,1,3,npairs);
    pdT=100*abs((T-exact)/exact);
    pdS=100*abs((S-exact)/exact);
    disp([npts, T, pdT, S, pdS]);
end
```

Command Window

New to MATLAB? See resources for Getting Started.

```
>> hw8
    5.0000   -41.8260   122.4991   -84.1797   347.8052

    9.0000   -23.8529    26.8887   -29.6603    57.7816

   13.0000   -20.9026    11.1941   -18.7148     0.4443

   17.0000   -19.9515     6.1344   -17.8619     4.9814

fx >>
```