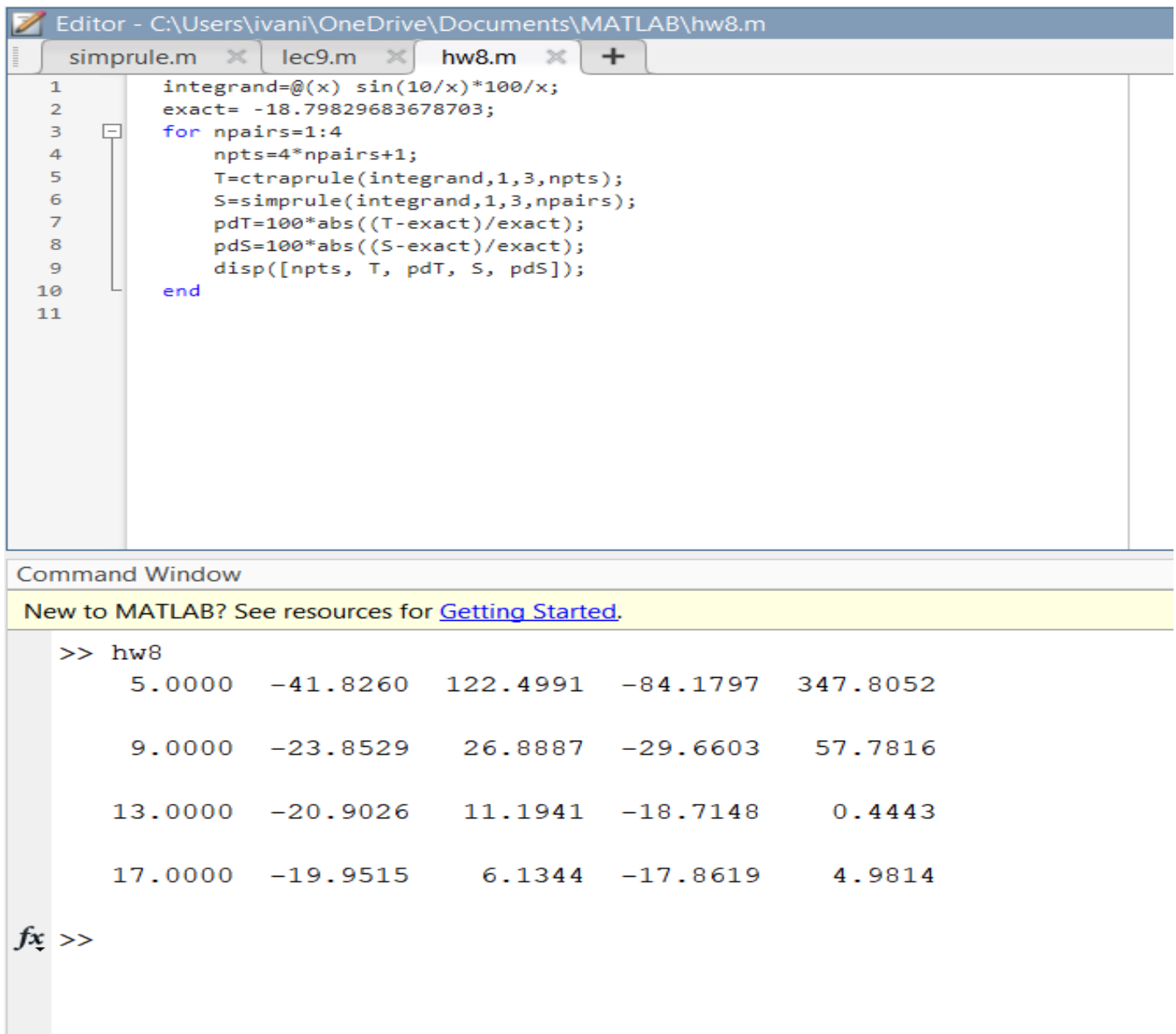


## Assignment 8



The image shows a MATLAB Editor window with three tabs: `simprule.m`, `lec9.m`, and `hw8.m`. The `hw8.m` tab is active, displaying the following code:

```
1 integrand=@(x) sin(10/x)*100/x;  
2 exact= -18.79829683678703;  
3 for npairs=1:4  
4     npts=4*npairs+1;  
5     T=ctraprulr(integrand,1,3,npts);  
6     S=simprule(integrand,1,3,npairs);  
7     pdT=100*abs((T-exact)/exact);  
8     pdS=100*abs((S-exact)/exact);  
9     disp([npts, T, pdT, S, pdS]);  
10 end  
11
```

Below the editor is the Command Window, which displays the output of the `hw8` script. The output is a 4x5 matrix of values:

```
>> 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
```

At the bottom of the Command Window, there is a prompt `fx >>`.