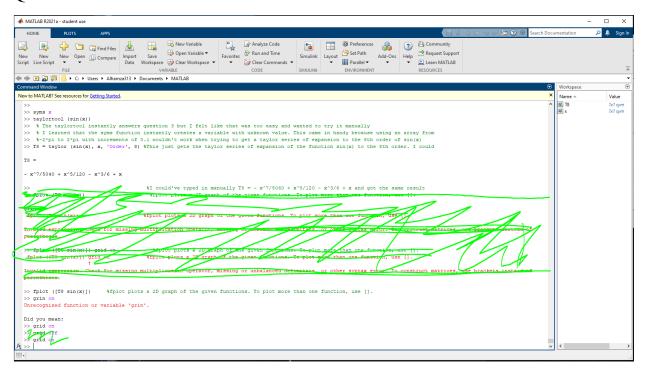
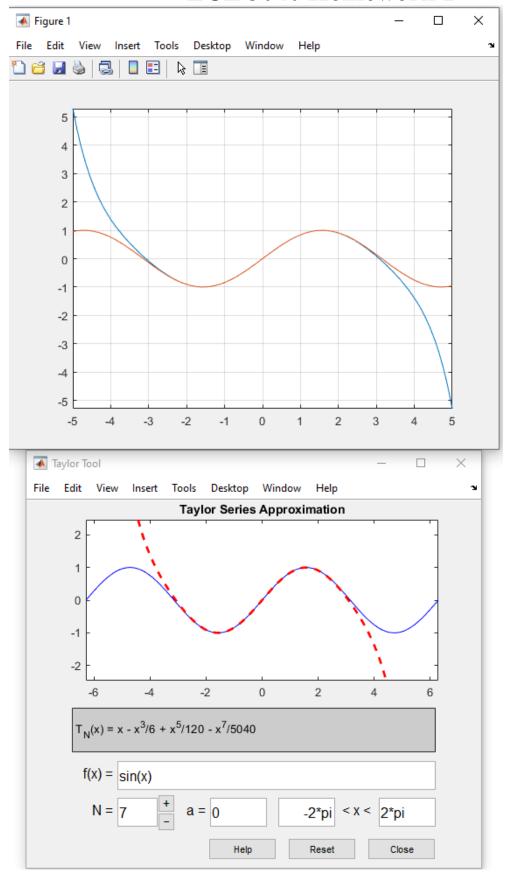
#### Question 3:

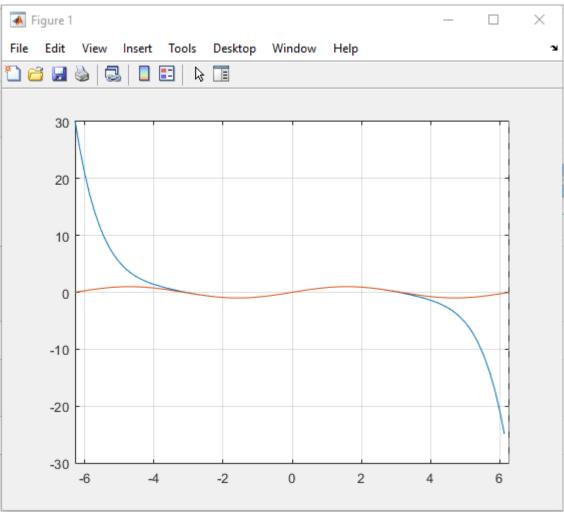


(I scribbled out some mistakes to make the answer more clear above)

The above code outputted the two graphs shown below. Figure 1 shows the correct graph but at the wrong intervals. All I did to fix this was type in,

and this fixed the issue as shown in the third graph.





#### Question 10:

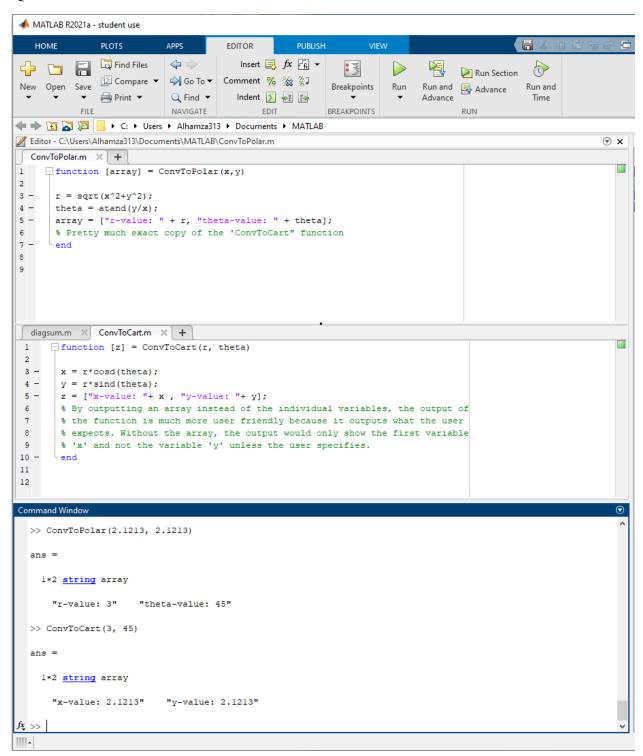
```
MATLAB R2021a - student use

  HOME
               PLOTS
                                                Rew Variable
                                                                    >> Analyze Code
     E
           Find Files
                                                                  Favorites Run and Time
                                                → Open Variable 🕶
     New
           New Open Grompare Import
                                         Save
Script Live Script

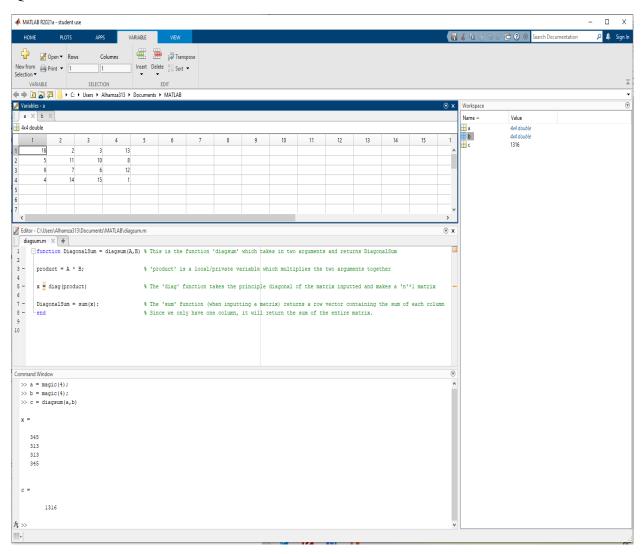
    Clear Commands ▼

                                            VARIABLE
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New to MATLAB? See resources for Getting Started.
  >> power(sin(7*pi/8),2)
     0.1464
  >> sin(7*pi/8).^2
  >> (sin(7*pi/8)^2)
  ans =
     0.1464
  >> cos(5*pi/6) * sin^2(7*pi/8) + (tan(pi/6(ln(8)))/(sqrt(7)+2))
  \cos(5*pi/6) * \sin^2(7*pi/8) + (\tan(pi/6(\ln(8)))/(sqrt(7)+2))
  Invalid expression. When calling a function or indexing a variable, use parentheses. Othe
  delimiters.
  >> cos(5*pi/6) * sin(7*pi/8)^2 + (tan(pi/6(ln(8)))/(sqrt(7)+2))
  \cos(5*pi/6) * \sin(7*pi/8)^2 + (\tan(pi/6(\ln(8)))/(sqrt(7)+2))
  Invalid expression. When calling a function or indexing a variable, use parentheses. Othe
  delimiters.
  >> cos(5*pi/6) * sin(7*pi/8)^2 + (tan(pi/6(ln(8)))/(sqrt(7)+2))
  \cos(5*pi/6) * \sin(7*pi/8)^2 + (\tan(pi/6(\ln(8)))/(sqrt(7)+2))
  Invalid expression. When calling a function or indexing a variable, use parentheses. Othe
  delimiters.
  >> cos(5*pi/6) * sin(7*pi/8)^2 + (tan(pi/6(log(8)))/(sqrt(7)+2))
  cos(5*pi/6) * sin(7*pi/8)^2 + (tan(pi/6(log(8)))/(sqrt(7)+2))
  Invalid expression. When calling a function or indexing a variable, use parentheses. Othe
  delimiters.
  >> \cos(5*pi/6) * \sin(7*pi/8)^2 + (\tan((pi/6)*(ln(8)))/(sqrt(7)+2))
  Unrecognized function or variable 'ln'.
  >> cos(5*pi/6) * sin(7*pi/8)^2 + (tan((pi/6)*(log(8)))/(sqrt(7)+2))
  ans =
     0.2846
  >> cos(5*pi/6) * sin(7*pi/8)^2 + (tan((pi/6)*(log(8)))/(sqrt(7)+2))
     0.2846
```

#### Question 11:



#### Question 12:



This photo is sort of hard to see but next time I'll try to make the window smaller so I can take a more clearer screenshot.