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```matlab
% Author: Dylan Mikesell
% Created: 20 September 2016
% Last modified: 21 September 2016
```
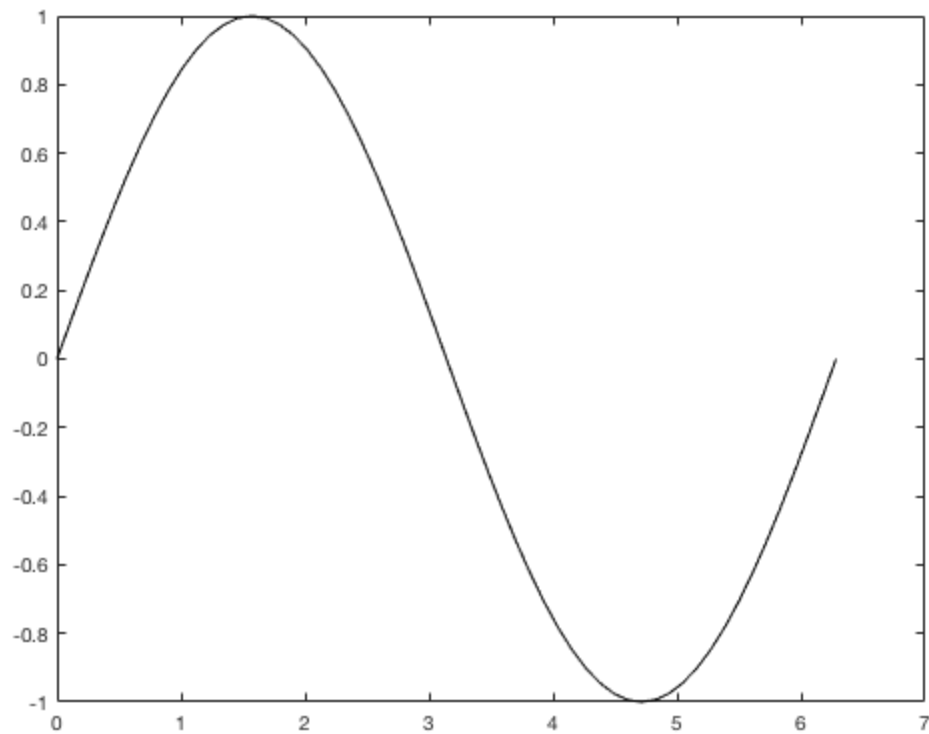
clear workspace variables

```matlab
clear all;
close all;
```

Make a vector and plot

```matlab
x = linspace(0,2*pi,180/pi);
y = sin(x);

h = figure;
plot(x,y,'k');
```

Create math in MATLAB publishing

This is called inline math with a single dollar sign ($) around the math.

$y = \sin(x)$

This is called display math with two dollar signs ($$) around the math.

$y = \sin(x)$

Make bullets

- This is the first bullet

- This is the second bullet

```
% The trick is the '% *' symbols. Also, make sure there are no empty
 lines
% betweeen the bullets and the '%% section title' line. Otherwise, the
% bullets are not interpreted as bullets. If you have blank lines,
 make
% sure to comment those lines. Same goes for the math examples above.
```

How about a numbered list? Just use # instead of *

1. ITEM1

2. ITEM2

You can do hyperlinks as well

[GEOS397](#)

```
% Note the space in between the URL and the text that will be linked.
```

Types of text

You can write in bold.

You can write in italic.

```
% Note the *a* notation for bold and _a_ for italic.
```

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