

Math 150 notes for HW#4

To plot two symbolic functions we use the "fplot" and "hold on" commands. For instance, if

```
syms x
f(x) = cos(2*pi*x);
```

and

```
g(x) = cos(8*pi*x);
```

and we want to graph both on the same set of axes over the interval $[0,1]$, then we do this; notice how each graph has different marks.

```
fplot(f(x), [0,1], '-k')
hold on
fplot(g(x), [0,1], '--r')
legend('f(x)', 'g(x)')
hold off
```

