

Solving Nonlinear Equations

Chapter 1 uses the same equation in different scenarios:

```
In[53]:= f[x_] := 3 x + Sin[x] - ex;  
f[x] // TraditionalForm
```

```
Out[54]//TraditionalForm=  
 $3x - e^x + \sin(x)$ 
```

The derivative is also used:

```
In[55]:= f' [x]
```

```
Out[55]=  $3 - e^x + \cos [x]$ 
```

The plotted figure, as on p. 34:

```
In[56]:= Plot[f[x], {x, 0, 2},  
GridLines -> Automatic,  
GridLinesStyle -> Dashed]
```

