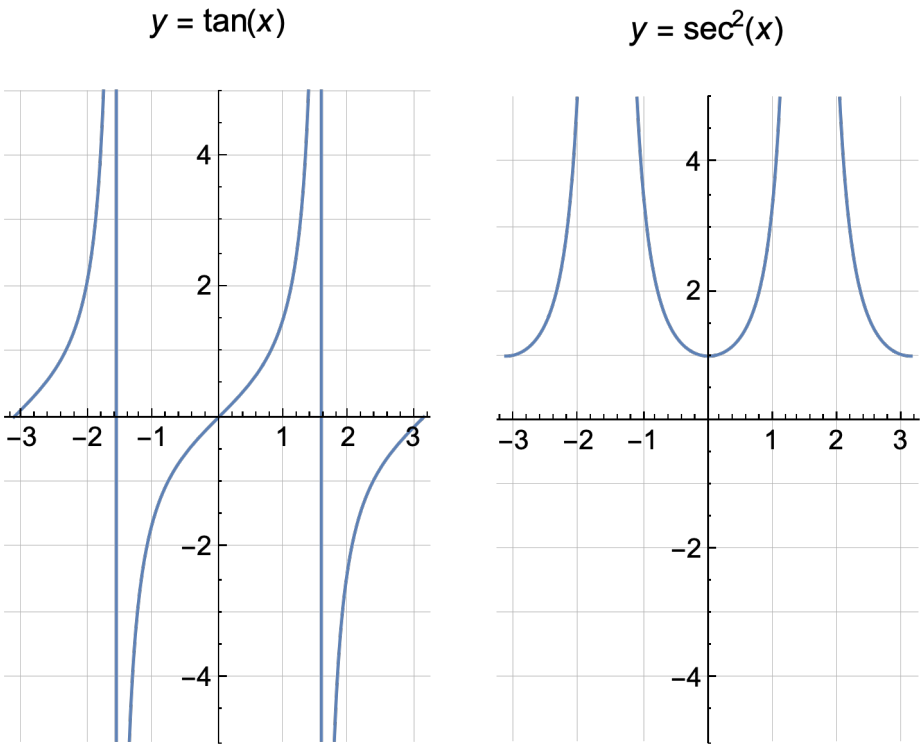
Section 2.4 - Derivatives of Other Trig Functions

Given that f(x)=Tan(x)

In[ ]:=
```
f[x_] := Tan[x]
f'[x]
fp[x_] := Sec[x]^2
```

Out[ ]= $\text{Sec}[x]^2$

Out[ ]=

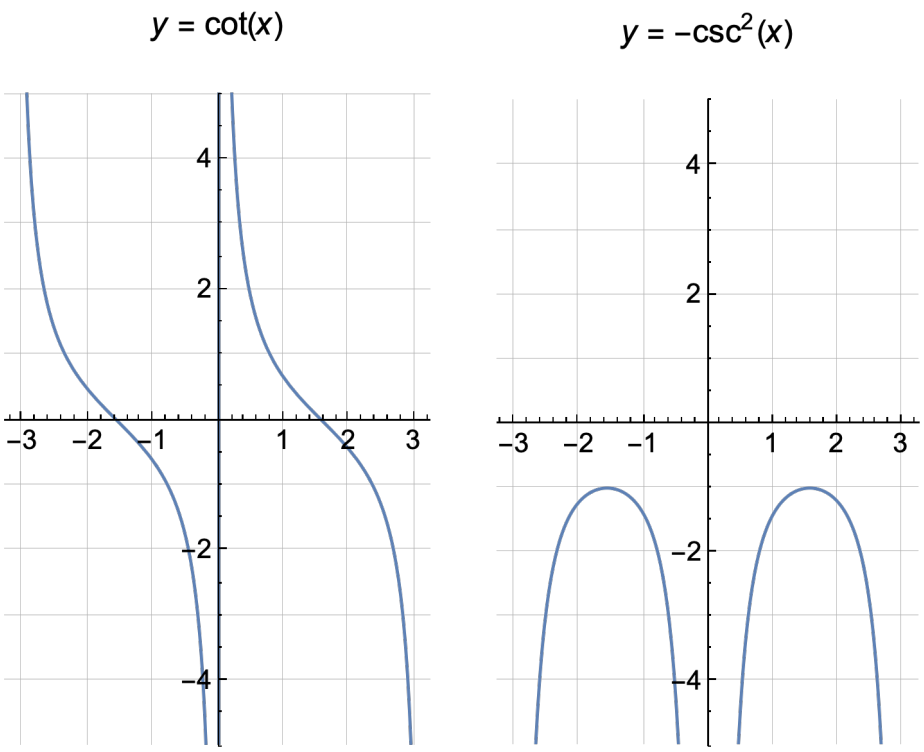


Given that f(x)=Cot(x)

In[300]:=
```
f[x_] := Cot[x]
f'[x]
fp[x_] := -Csc[x]^2
```

Out[301]=
```
-Csc[x]^2
```

Out[303]=

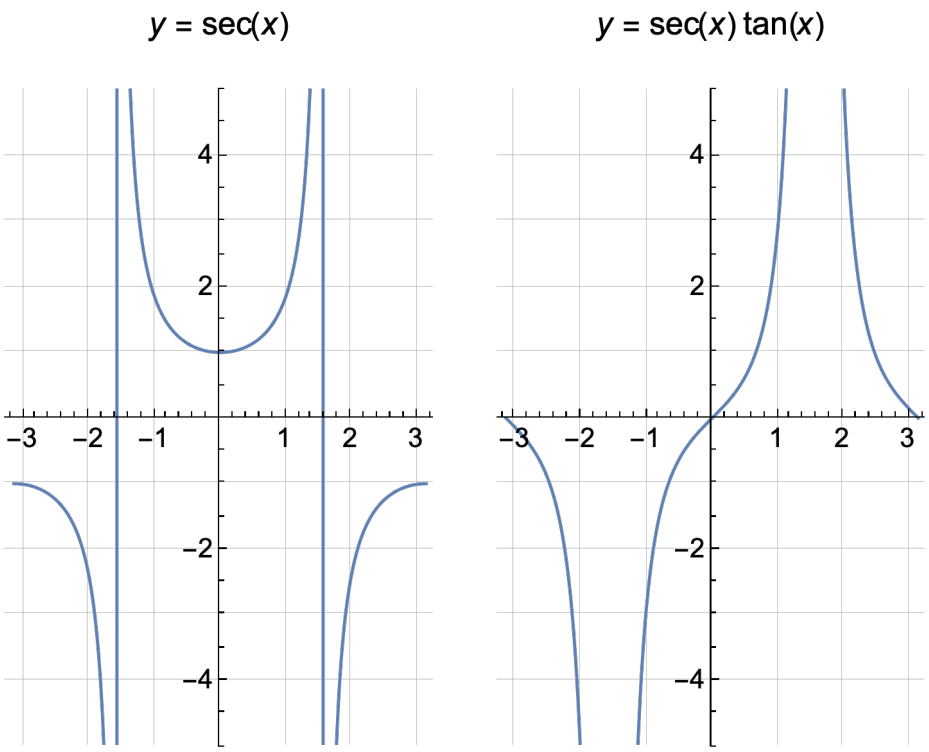


Given that f(x)=Sec(x)

In[307]:=
```
f[x_] := Sec[x]
f'[x]
fp[x_] := Sec[x] Tan[x]
```

Out[308]= Sec[x] Tan[x]

Out[310]=



Given that f(x)=Csc(x)

In[320]:=
```
f[x_] := Csc[x]
f'[x]
fp[x_] := -Cot[x] Csc[x]
```

Out[321]=
```
-Cot[x] Csc[x]
```

Out[323]=