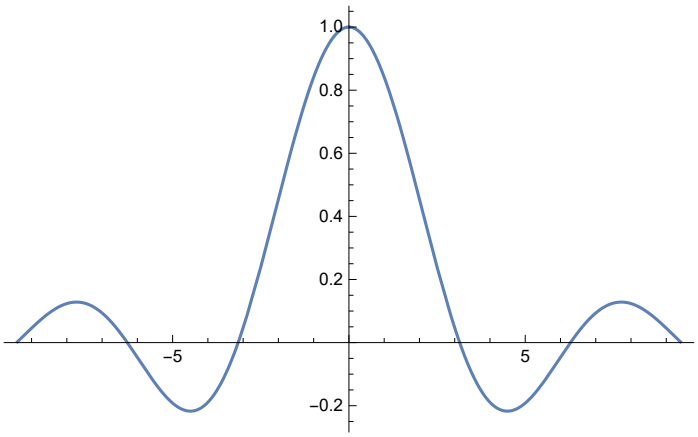
Basic Graphics

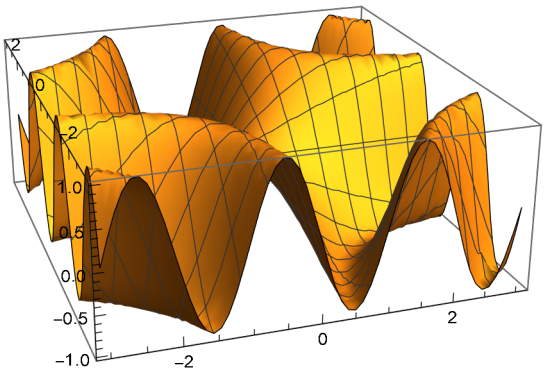
In[ ]:=
```
Plot[Sin[x] / x, {x, -9.4, 9.4}]
```

Out[ ]=



Plot sin(xy)

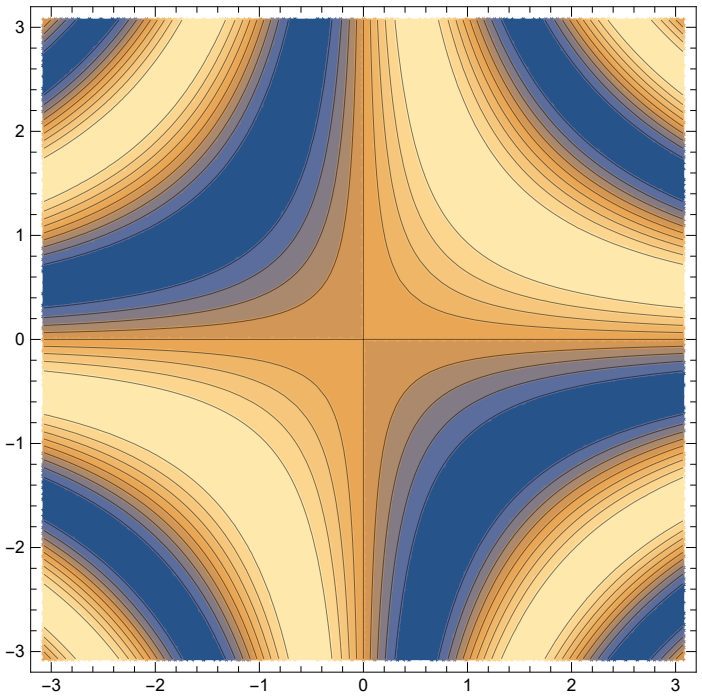
In[ ]:=
```
Plot3D[Sin[x * y], {x, -Sqrt[3 * Pi], Sqrt[3 * Pi]},
 {y, -Sqrt[3 * Pi], Sqrt[3 * Pi]}]
```



"Hold shift and than use you mouse to move the plot. in order
to zoom in and out, hold ctrl button and drag mouse up and down."

In[ ]:=
```
ContourPlot[Sin[x * y], {x, -Sqrt[3 * Pi], Sqrt[3 * Pi]},
 {y, -Sqrt[3 * Pi], Sqrt[3 * Pi]}]
```

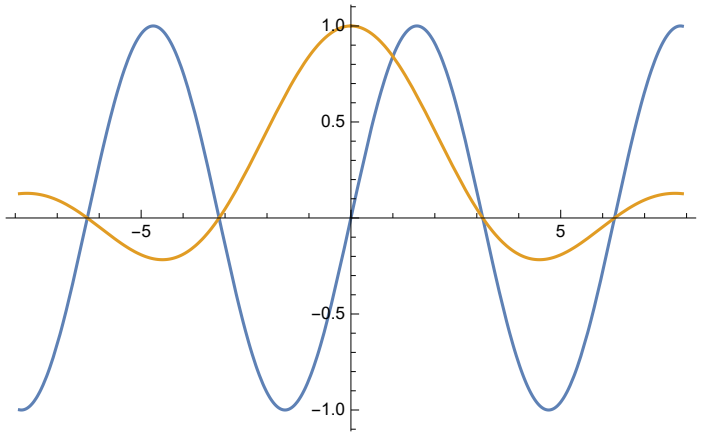
Out[ ]=



Creating Multiple Graphics

In[ ]:=
```
Plot[{Sin[x], Sin[x] / x}, {x, -7.9, 7.9}]
```

Out[ ]=



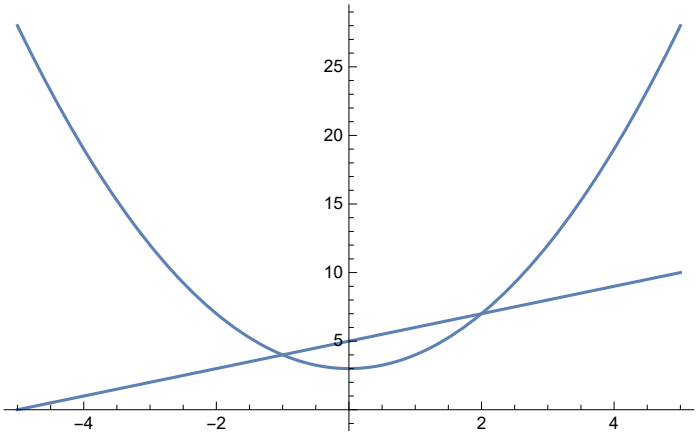
Showing Graphics Together

In[ ]:=
```
plot1 = Plot[x^(2) + 3, {x, -5, 5}];
```

In[ ]:=
```
plot2 = Plot[x + 5, {x, -5, 5}];
```

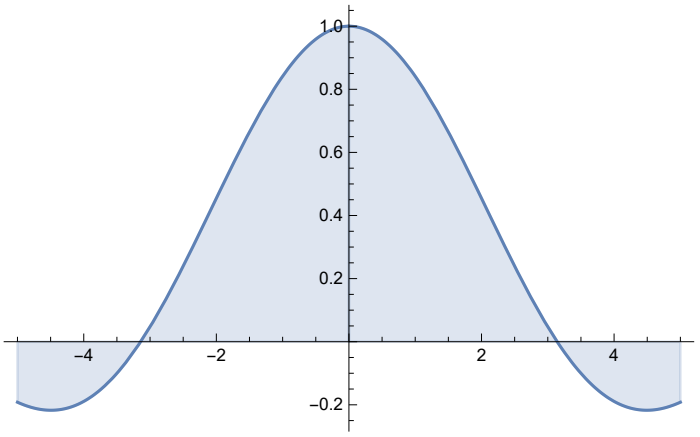
In[ ]:=
```
Show[plot1, plot2]
```

Out[ ]=



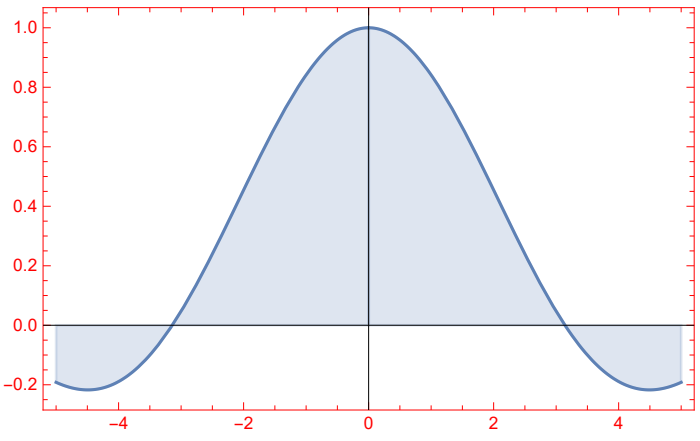
In[ ]:=
```
Plot[Sin[x]/x, {x, -5, 5}, Filling → Axis]
```

Out[ ]=



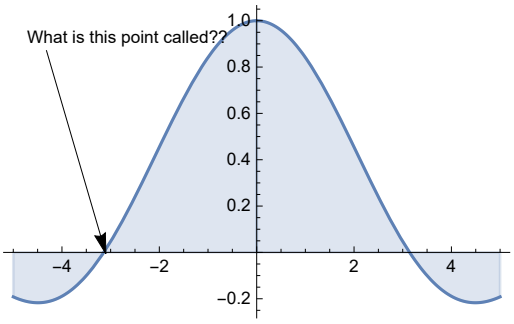
In[ ]:=
```
Show[%, Frame -> True, FrameStyle -> Red]
```

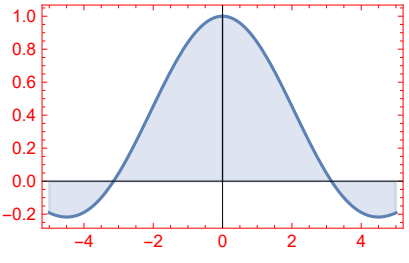
Out[ ]=



Annotating Graphics

In[ ]:=
```
%41 × %40
```


What is this point called??
1.0
0.8
0.6
0.4
0.2
−4
−2
2
4
−0.2


1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−4
−2
0
2
4