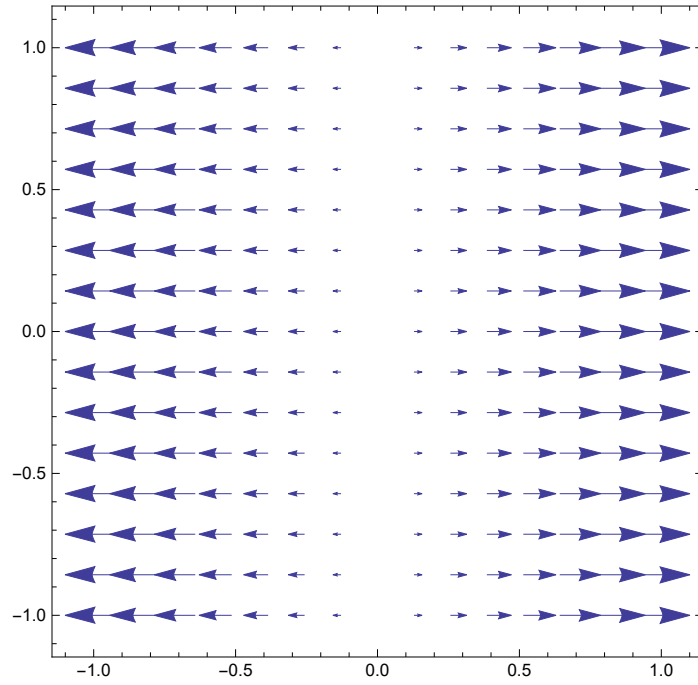
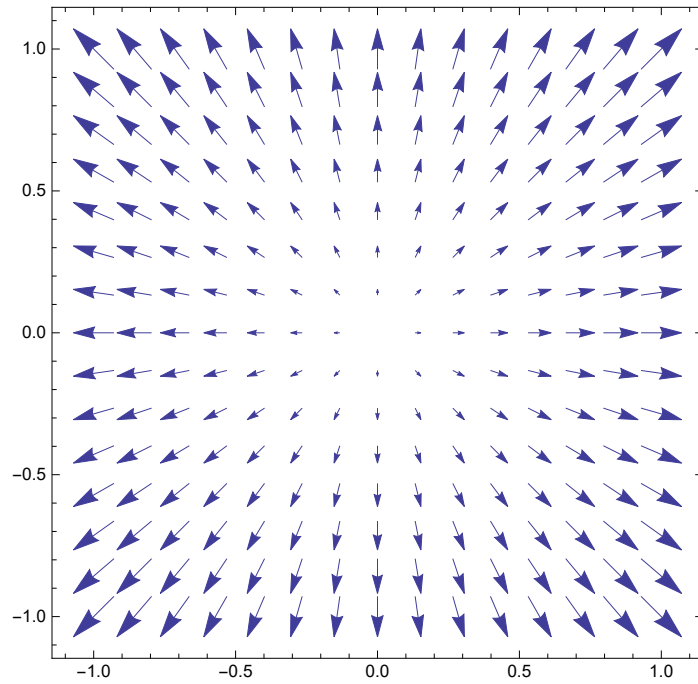


# Vector Field Examples (Mathematica)

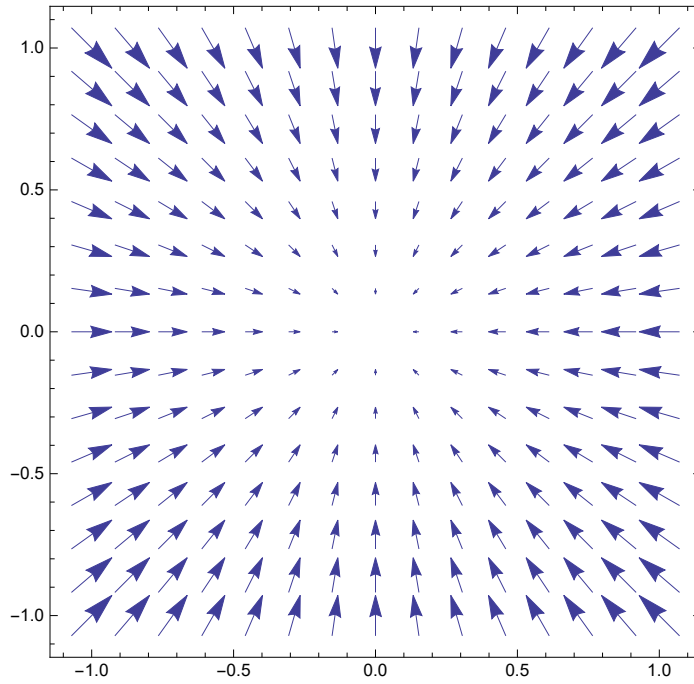
`VectorPlot[{x, 0}, {x, -1, 1}, {y, -1, 1}]`



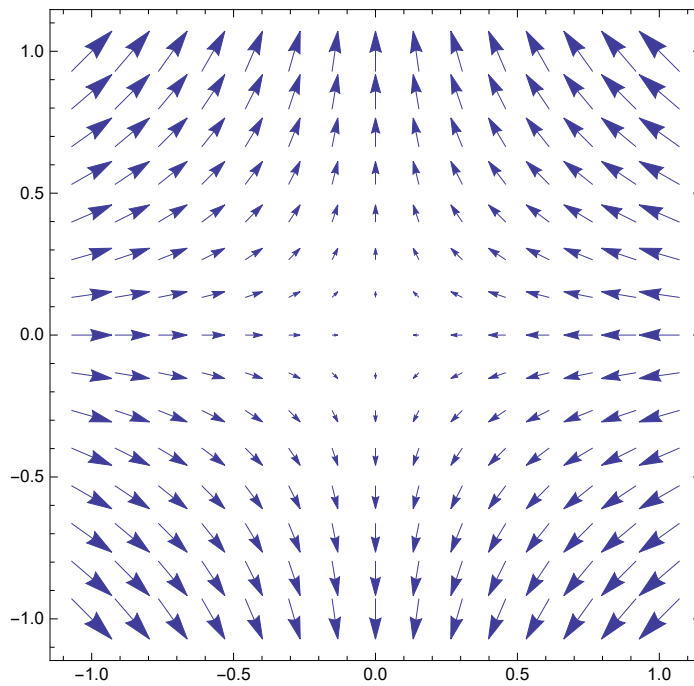
`VectorPlot[{x, y}, {x, -1, 1}, {y, -1, 1}]`



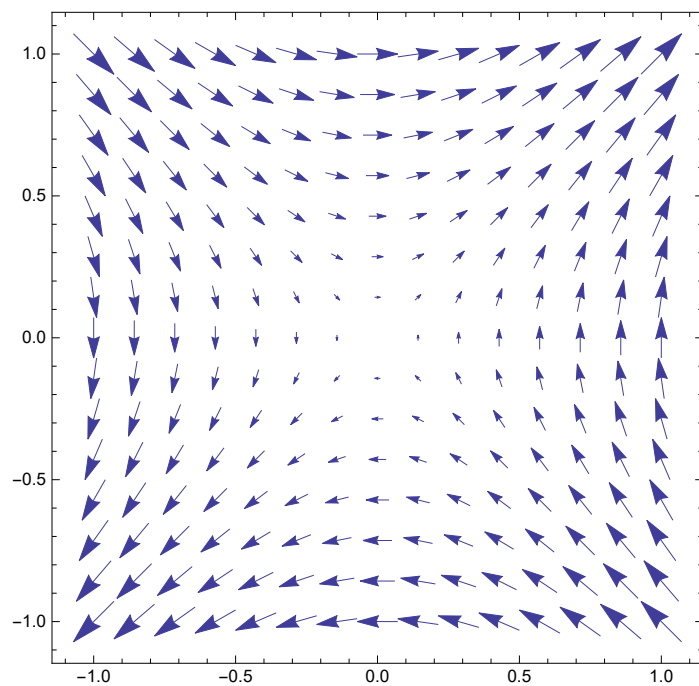
`VectorPlot[{-x, -y}, {x, -1, 1}, {y, -1, 1}]`



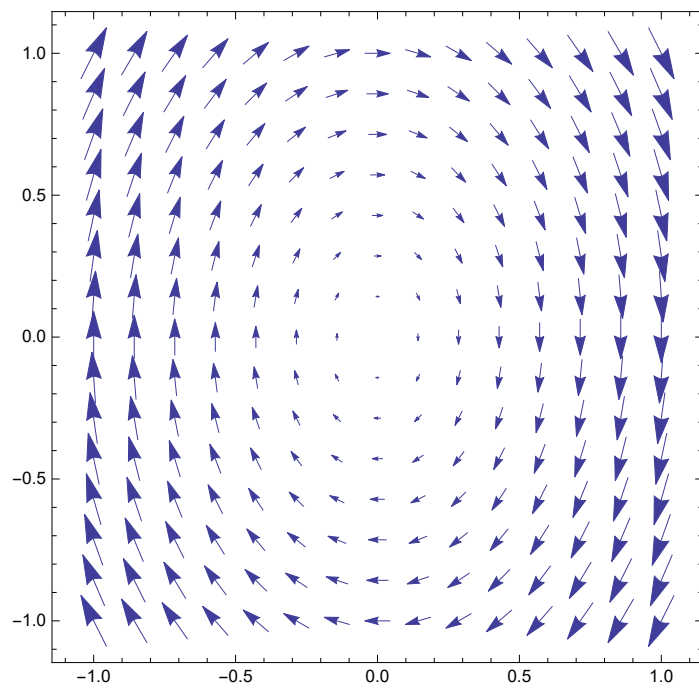
`VectorPlot[{-x, y}, {x, -1, 1}, {y, -1, 1}]`



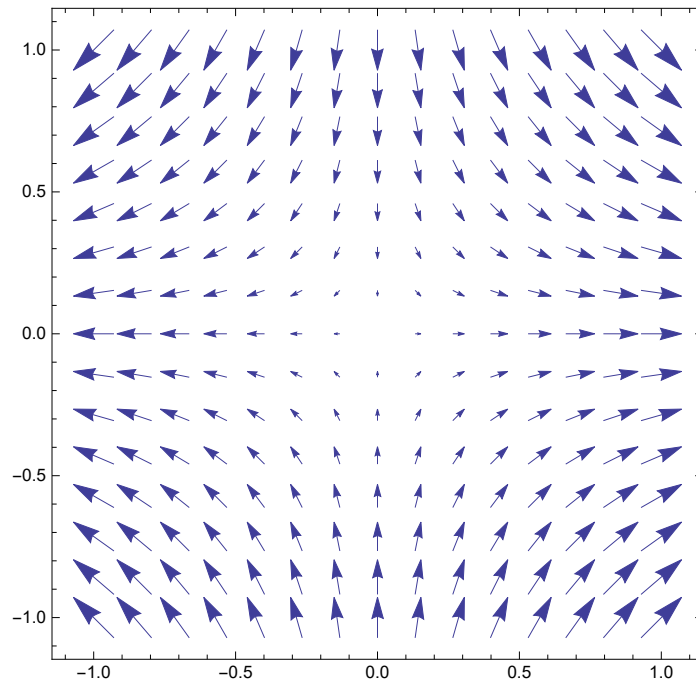
```
VectorPlot[{y, x}, {x, -1, 1}, {y, -1, 1}]
```



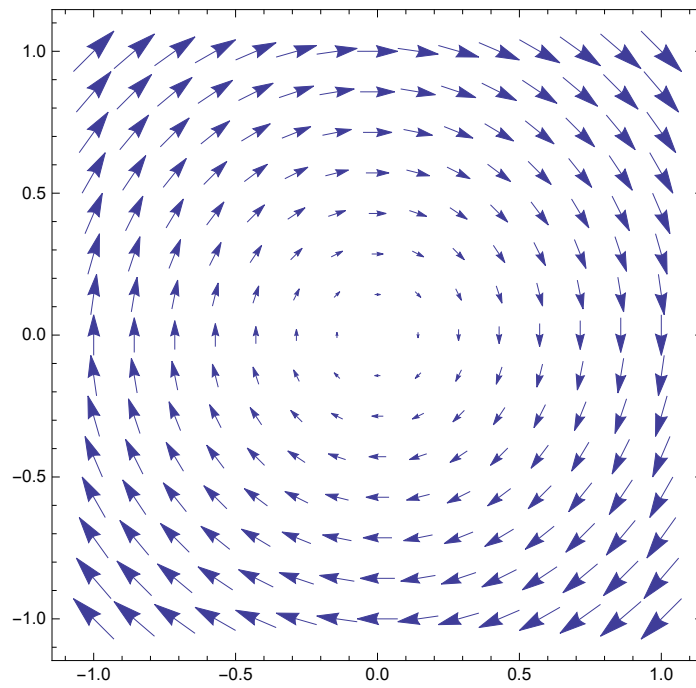
```
VectorPlot[{y, -2 x}, {x, -1, 1}, {y, -1, 1}]
```



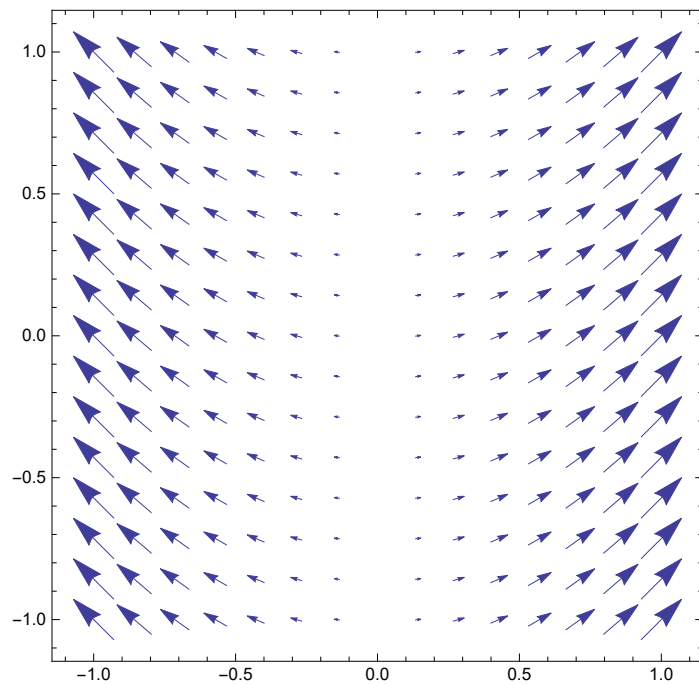
```
VectorPlot[{x, -y}, {x, -1, 1}, {y, -1, 1}]
```



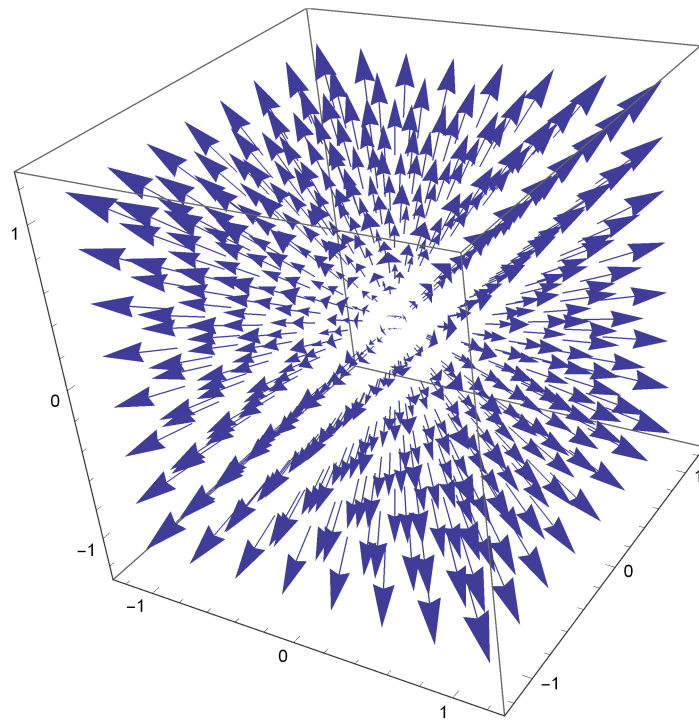
```
VectorPlot[{y, -x}, {x, -1, 1}, {y, -1, 1}]
```



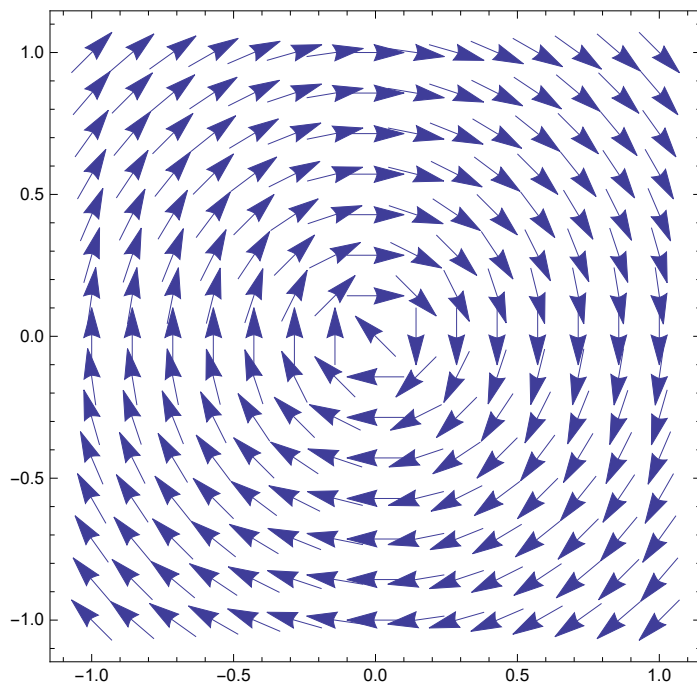
```
VectorPlot[{x, x^2}, {x, -1, 1}, {y, -1, 1}]
```



```
VectorPlot3D[{x, y, z}, {x, -1, 1}, {y, -1, 1}, {z, -1, 1}]
```



```
VectorPlot[{{ $\frac{y}{\sqrt{x^2+y^2}}$ ,  $\frac{-x}{\sqrt{x^2+y^2}}$ }, {x, -1, 1}, {y, -1, 1}]
```



```
VectorPlot[{{ $\frac{y}{x^2+y^2}$ ,  $\frac{-x}{x^2+y^2}$ }, {x, .1, .2}, {y, .1, .2}]
```

