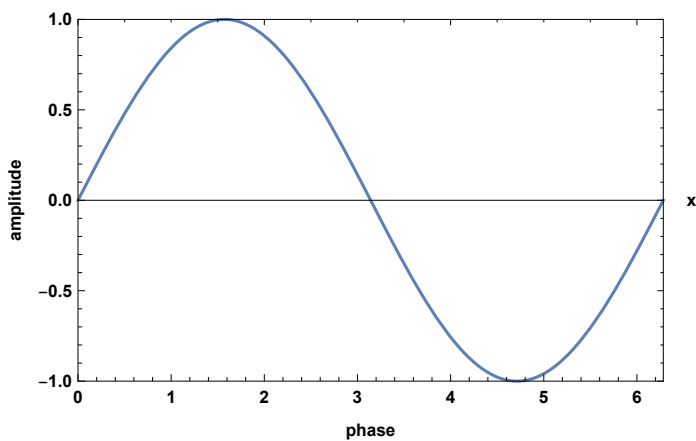


Ph3 Set 2

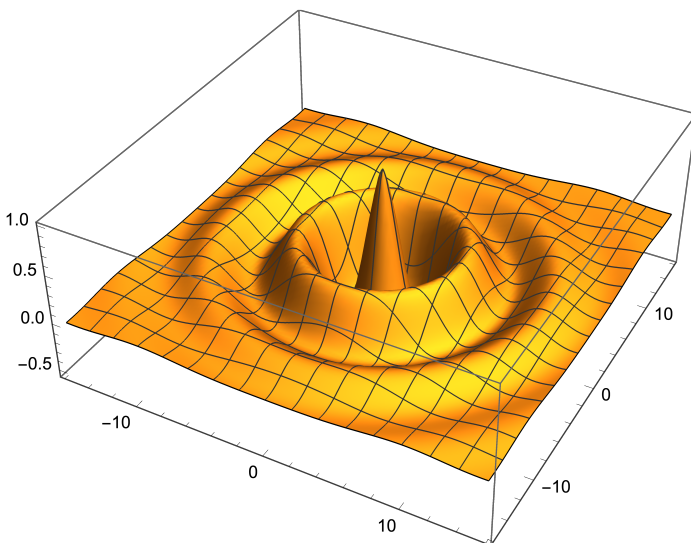
Jacob Snyder

4/3/19

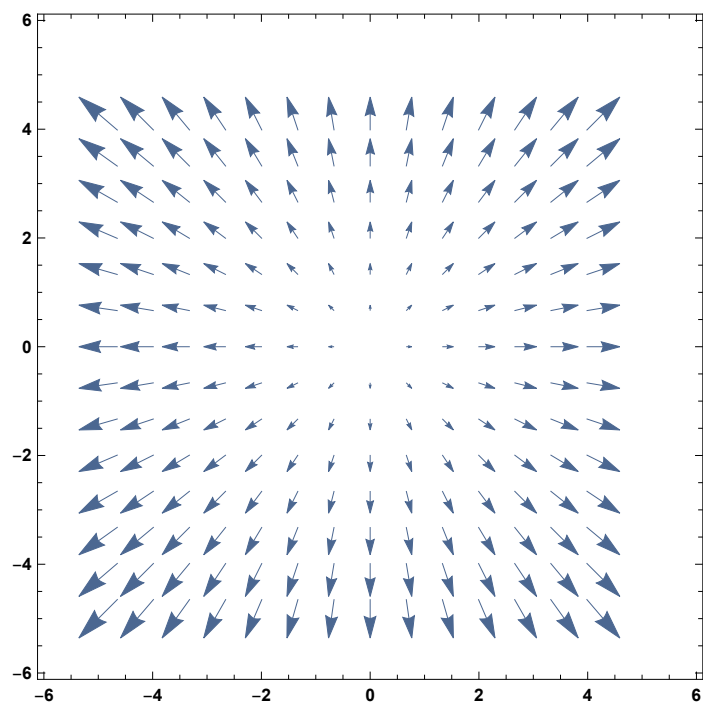
```
Plot[Sin[x], {x, 0, 2 * Pi}, PlotRange -> {{0, 2 * Pi}, {-1, 1}},  
AxesLabel -> {"x", "y"}, Frame -> True, FrameLabel -> {"phase", "amplitude"}]
```



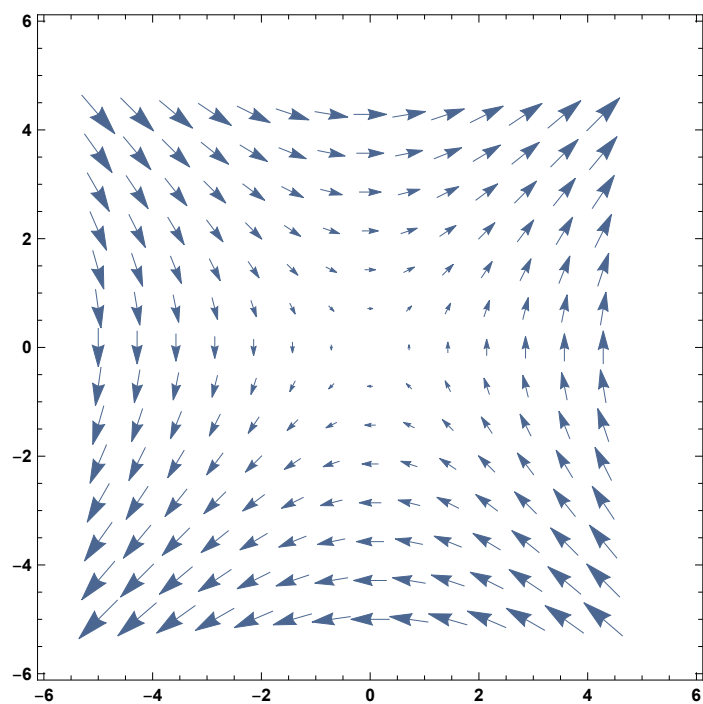
```
Plot3D[Cos[Sqrt[x^2 + y^2]] * Exp[-Sqrt[x^2 + y^2]] / 5, {x, -5 * Pi, 5 * Pi},  
{y, -5 * Pi, 5 * Pi}, PlotPoints -> {100, 100}, PlotRange -> All]
```



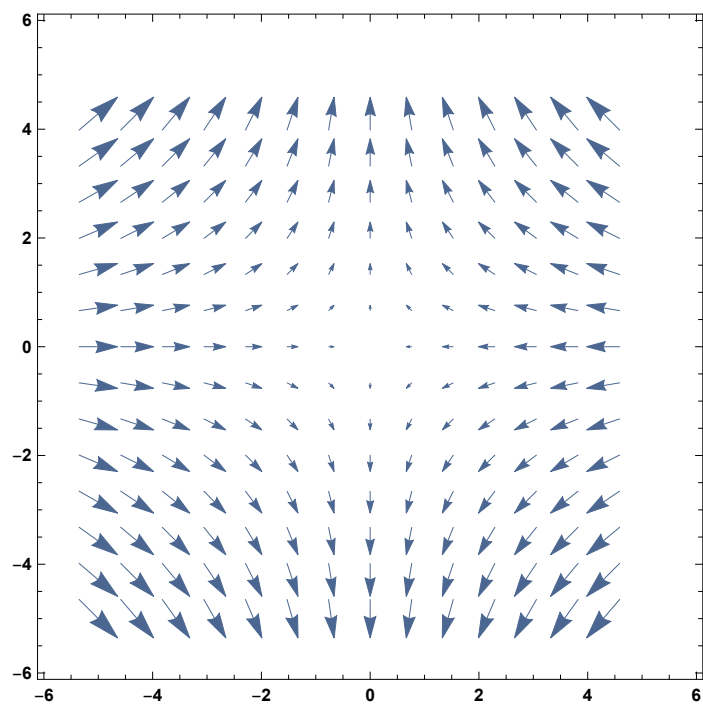
```
VectorPlot[{x, y}, {x, -5, 5}, {y, -5, 5}]
```



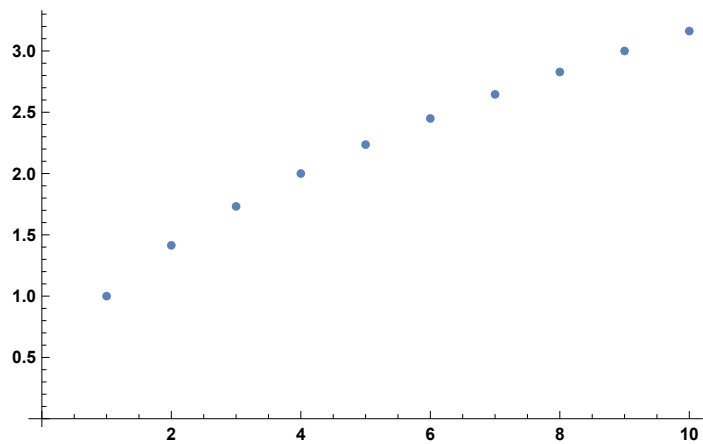
```
VectorPlot[{y, x}, {x, -5, 5}, {y, -5, 5}]
```



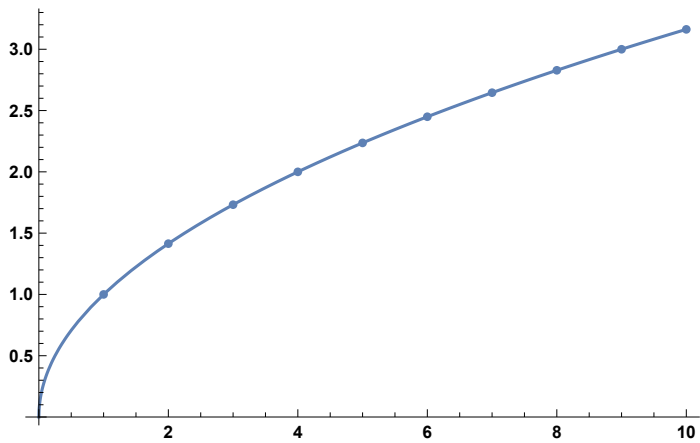
```
VectorPlot[{-x, y}, {x, -5, 5}, {y, -5, 5}]
```



```
firstten = Table[{i, Sqrt[i]}, {i, 1, 10}];  
ListPlot[firstten]
```



```
Show[ListPlot[firstten], Plot[Sqrt[x], {x, 0, 10}]]
```



```
Needs["ErrorBarPlots`"]
```

```
ErrorListPlot[{{5, 1.932}, ErrorBar[2, 0.005]}, {{17, 1.94}, ErrorBar[2, 0.01]},  
{{25, 1.96}, ErrorBar[2, 0.01]}, {{40, 2.01}, ErrorBar[4, 0.01]},  
{{53, 2.04}, ErrorBar[4, 0.01]}, {{67, 2.12}, ErrorBar[6, 0.02]}]]
```

