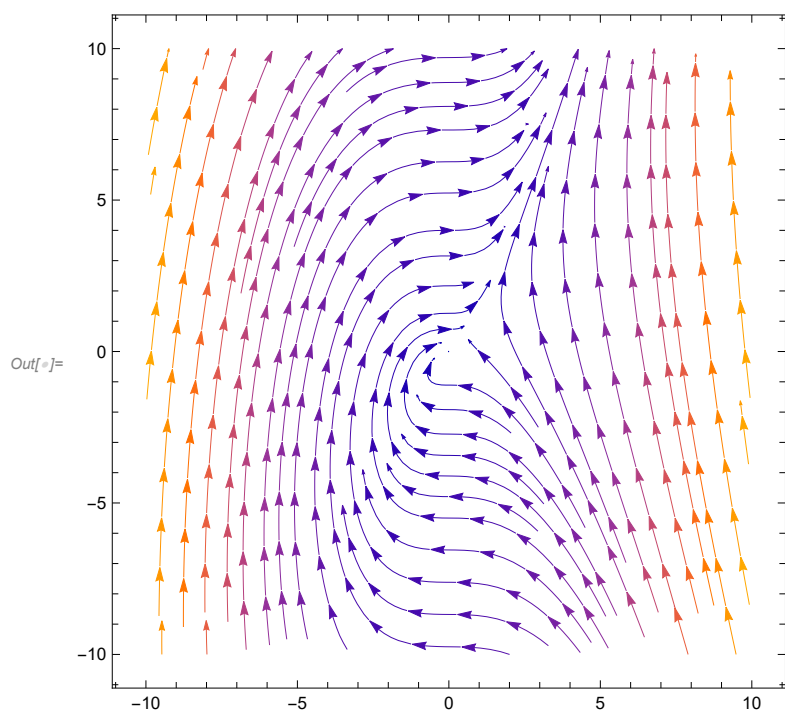
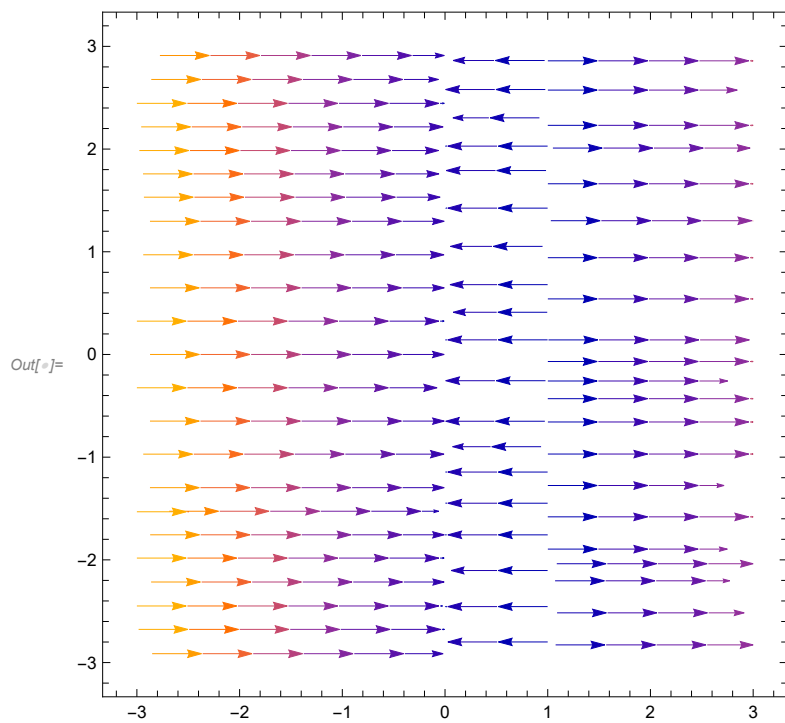


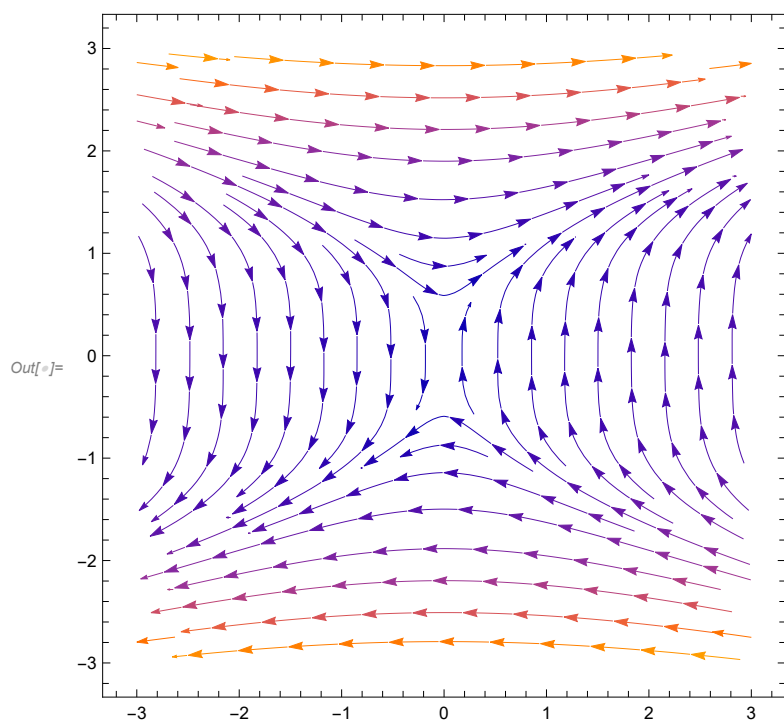
```
StreamPlot[{y - x, x^2}, {x, -10, 10}, {y, -10, 10}]
```



```
In[ ]:= StreamPlot[{a * r + r^2, 0} /. {a -> -1}, {r, -3, 3}, {θ, -3, 3}]
```



```
In[6]:= StreamPlot[{y^3, x}, {x, -3, 3}, {y, -3, 3}]
```



```
In[7]:= Clear["Global`*"]
```

```
n = .;
```

```
f[x_, y_] := (x^2 + y^2)^(Abs[n] / 2) * Cos[n * ArcTan[y / x]];
```

```
g[x_, y_] := (x^2 + y^2)^(Abs[n] / 2) * Sin[n * ArcTan[y / x]];
```

```
phi[x_, y_] := ArcTan[g[x, y] / f[x, y]];
```

```
I = (Integrate[D[phi[1, y], y], {y, -1, 1}] +
```

```
Integrate[D[phi[x, -1], x], {x, -1, 1}] + Integrate[D[phi[-1, y], y], {y, 1, -1}] +
```

```
Integrate[D[phi[x, 1], x], {x, 1, -1}]) / (2 * pi)
```

Out[12]= n