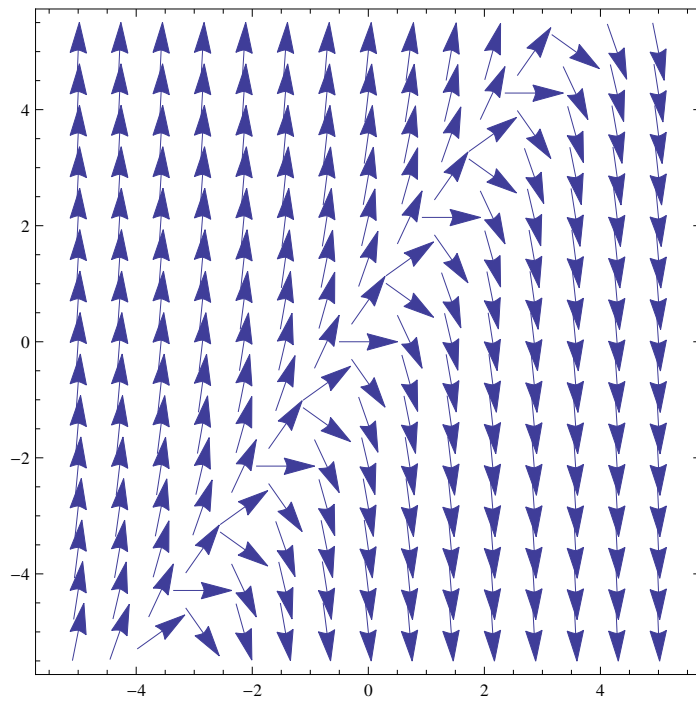


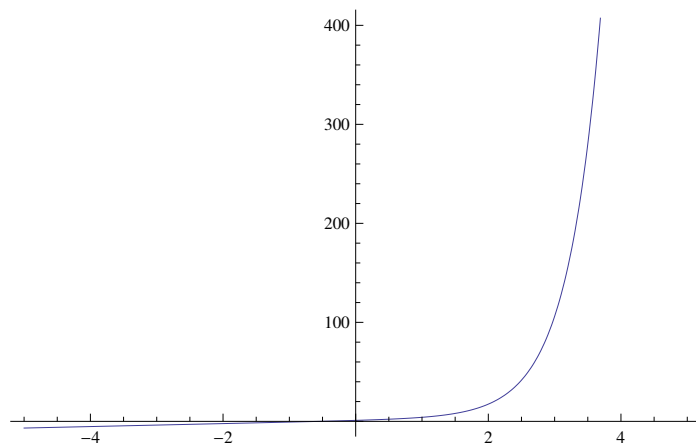
```
a = VectorPlot[{1, 2 y - 3 t} / Norm[{1, 2 y - 3 t}], {t, -5, 5}, {y, -5, 5}]
```



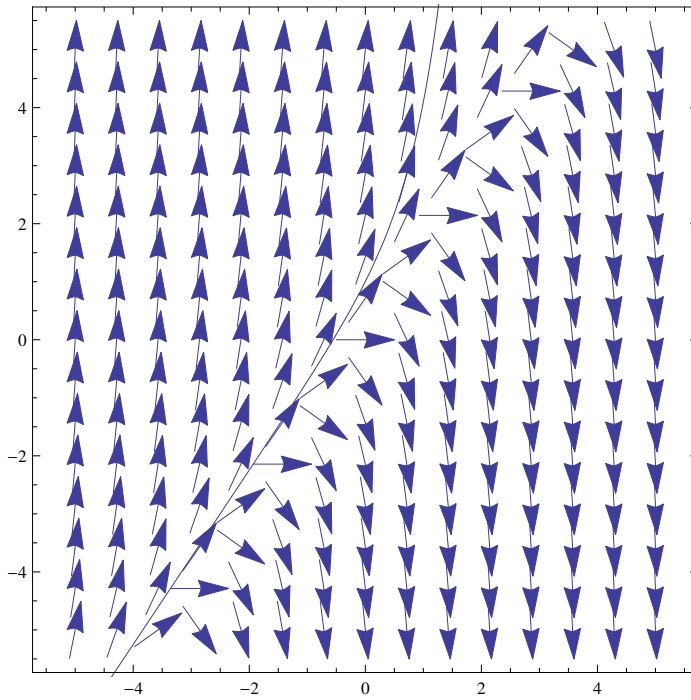
```
soln = NDSolve[{dy'[dt] == 2 dy[dt] - 3 dt, dy[0] == 1}, dy, {dt, -5, 5}]
```

```
{dy -> InterpolatingFunction[{{-5., 5.}}, <>]}
```

```
b = Plot[dy[t] /. soln, {t, -5, 5}]
```



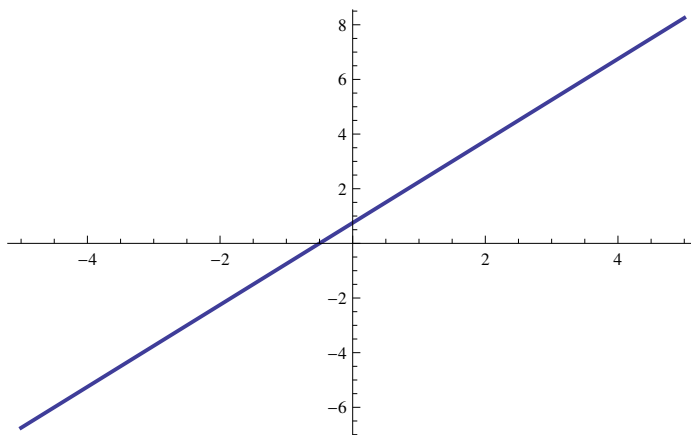
```
Show[a, b]
```



```
DSolve[{ay'[at] == 2 ay[at] - 3 at, ay[0] == 1}, ay, at]
```

```
{{ay -> Function[{at},  $\frac{1}{4} (3 + 6 at + e^{2 at})$ ]}}
```

```
c = Plot[(3 + 6 t) / 4, {t, -5, 5}, PlotStyle -> Thick]
```



Show[a, b, c]

