$$ln[\circ]:=$$
  $y[x_] = c * Exp[x^2]$   
Simplify[y'[x] - 2 \* x \* y[x] == 0]

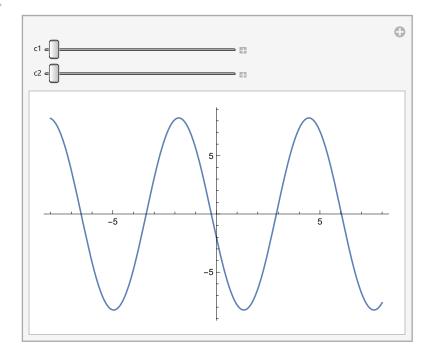
Out[ • ]=

 $c \,\, \text{e}^{x^2}$ 

Out[ • ]=

True

ln[\*]:= Manipulate[Plot[c2Cos[t] + c1Sin[t], {t, -8, 8}], {c1, -8, 8}, {c2, -2, 2}] Out[\*]=



True

$$ln[ \circ ] := x'[t_] = 3/2 - 3 * x + Exp[-3 * t / 2]$$

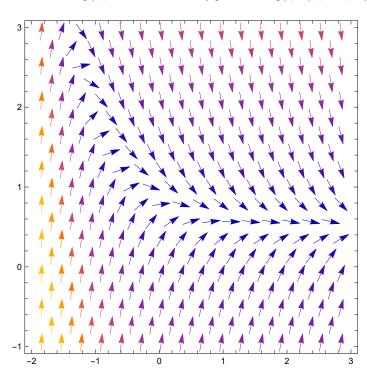
••• Set: Tag Plus in  $\left(\frac{3}{2} + e^{-3t/2} - 3x\right)$  [t\_] is Protected.

Out[ • ]=

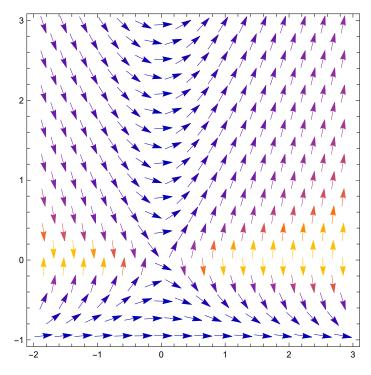
$$\frac{3}{2} + e^{-3t/2} - 3x$$

 $ln[+]:= VectorPlot[{1, 3/2-3*x+Exp[-3*t/2]}, {t, -2, 3}, {x, -1, 3}]$ 

Out[ • ]=

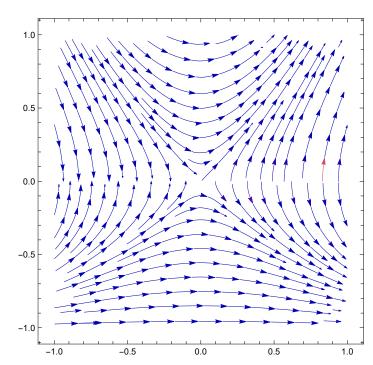






 $lo(a) := StreamPlot[{1, x + x / y}, {x, -1, 1}, {y, -1, 1}]$ 

## Out[ • ]=



 $\begin{array}{ll} & \text{In[16]:= } \mathsf{DSolve[p'[x] == k*p[x],p[x],x]} \\ & & & & & & & & & \\ \mathsf{rozwiqzywanie równa\acute{n} r\acute{o}\dot{z}niczkowych} \\ & & & & & & & \\ \mathsf{Out[16]=} & \left\{ \left\{ p[x] \rightarrow e^{kx} \, c_1 \right\} \right\} \end{array}$