

 $\frac{x}{y} = \frac{ax - bxy}{-cy + dxy} = \frac{x(a - by)}{y(dx - c)}$

i(dx-c) = ig(a-6y)

 $\cos 0 \leq \frac{0}{\sin 0} \leq \frac{1}{\cos 0}$

1 > Sind > 1

Jx (d- =)= (3-6) dx - cln/x = a ln/y - 6y +C

$$\lambda^{2} + \frac{3}{2} = 0$$

$$\lambda = -\frac{0 \pm \sqrt{0 - 4 \cdot 3}}{7} = \pm \sqrt{\frac{3}{2}} = \pm i\sqrt{\frac{3}{2}}$$

$$O(4) = c_{1} \cos(\sqrt{\frac{3}{2}}t) + c_{2} \sin(\sqrt{\frac{3}{2}}t)$$

(a) (b) + 20 = 0 (b) = e^{\lambda t} $\lambda^2 e^{\lambda t} + \frac{3}{2} e^{\lambda t} = 0$ $\lambda^2 + \frac{3}{2} = 0$