

$$\textcircled{2} \quad y' + \frac{2y}{3x} = \frac{1}{3x^2 y^2}$$

(8b)

Bernoulli: ($\alpha = -2$); subst $R = y^3$
 $R = y^{1-\alpha}$

$$R' = 3y^2 y'$$

hustob $3y^2$

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$$3y^2 y' + \frac{2}{x} y^3 = \frac{1}{x^2}$$

$$R' + \frac{2}{x} R = \frac{1}{x^2};$$

lineární: if: $\ln(+2 \ln|x|) = x^2$

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$$(R x^2)' = 1$$

$$R x^2 = x + C$$

$$R = \frac{x+C}{x^2}$$

$$y = \sqrt[3]{\frac{x+C}{x^2}}$$

2

Diskuse: rovnice rhybný $x=0$

$$y=0 \quad (x=-c)$$

neobjevují žádné intervaly

jiné to maximum $\overbrace{}$ řešení,

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