$$\frac{\partial y}{\partial x} = \frac{x}{y}$$

$$y dy = x dx$$

$$\frac{1}{2}y^{2}+C_{1}$$
 $\frac{1}{2}x^{2}+C_{2}$

$$\frac{1}{2}y^{2} = \frac{1}{2}x^{2} + C_{2} - C_{1}$$

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

 $y = \pm \sqrt{X^2 + C_4}$

$$= \frac{1}{2} \times \frac{1}{4} + C_4$$