$$\frac{dy}{dx} + P(t) \cdot y = Q(t)$$

$$\frac{dy}{dx} + 3t \cdot y = t^{3} - t + 1$$

$$y' + 3t \cdot y = 1 - \frac{1}{t}r + \frac{1}{t^{3}}$$

$$P(t) = \frac{3}{t}$$

$$Q(t) = 1 - \frac{1}{t}r + \frac{1}{t^{3}}$$

$$y \cdot t^{3} = \frac{1}{t^{3}} + \frac{1}{t^{3}} + \frac{1}{t^{3}}$$

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$$y \cdot t^{3} = \frac{1}{t^{3}} + \frac{1}{t^{3}} +$$

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

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