$$\frac{\partial x}{\partial t} = \frac{3}{4} \frac{Q}{8} \sin^3(t) - \frac{Q}{4}$$

$$\frac{\partial x}{\partial t} = \frac{3}{4} \sin^3(t) - \frac{Q}{4}$$

$$\frac{\partial x}{\partial t} = \frac{3}{100} \cos^3(t) - \frac{100}{100} = \frac{100}{100}$$

$$\frac{\partial x}{\partial t} = \frac{3}{100} \cos^3(t) - \frac{100}{100} = -0.36$$

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$$\frac{\partial x}{\partial t} = \frac{3}{100} \cos^3(t) - \frac{100}{100} = -0.1176$$

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$$\frac{\partial x}{\partial t} = \frac{3}{100} \sin^3(t) - \frac{100}{100} = -0.16$$

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$$\frac{\partial x}{\partial t} = \frac{3}{$$

$$Q2$$

$$\frac{\partial^{2}y}{\partial x^{3}} - 4\frac{\partial^{2}y}{\partial x^{2}} + 6\frac{\partial y}{\partial x} - 4y = e^{2x}$$

$$A$$

$$\frac{\partial^{2}z}{\partial x} - 4\frac{\partial^{2}z}{\partial x} + 6z - 4y = e^{2x}$$

$$A = \frac{\partial^{2}z}{\partial x}$$

$$A = \frac{\partial^{2}z}{\partial x} + 6z - 4y = e^{2x}$$

$$A = \frac{\partial^{2}z}{\partial x} + 4z = e^{2x}$$

$$b = 6x + 6x + y = 6x(3x)$$

$$c = 6x + 6x + y = 6x(3x)$$

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$$c = 6x + y = 6x + y = 6x$$

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