

$$\frac{dx}{dt} = 4x^2 - 16$$

$$\frac{dx}{dt} = \frac{1}{4x^2 - 16} dx$$

$$X(t) = \frac{2}{e^{4c_1} + 16t_2}$$

$$XG \left[-2, 2\right]$$

$$t = \frac{1}{4} \ln \left(\frac{2-t_1}{2}\right)$$

$$dt = \frac{1}{4x^2 - 16} dx$$

$$dt = \frac{1}{4x^2 - 16} dx$$

$$t = \frac{1}{16} \ln \left(\frac{2 - x}{x + 2}\right)$$

$$t + c_1 = \frac{1}{16} \ln \left(\frac{2 - x}{x + 2}\right)$$