QUIZ NO; 1	Name:	ID:	Section
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Q1. (3 points) Verify by substitution if  $y = (C_1 + C_1 x)e^{4x}$  is a solution of y'' - 8y' + 16y = 0?

Q2. (3 points)  $y = \frac{2}{3-4x}$  is a solution of some first order differential equation. Plot this solution and discuss the interval over which the solution is continuous.

Q3. (4 points) Solve the first order differential equation  $\frac{dy}{dx} = -4xy;$  y(0) = -2