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formulas. In this article, let us discuss the definition, types, methods to solve the differential equation, order and degree of the differential equation, ordinary differential equations with real-word example and a solved problem.

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And using the Wronskian we can now find the particular solution of the differential equation. d 2 ydx 2 + p dydx + qy = f(x) using the formula: y p (x) = −y 1 (x) ∫ y 2 (x)f(x)W(y 1,y 2) dx + y 2 (x) ∫ y 1 (x)f(x)W(y 1,y 2) dx . Finally we complete solution by adding the general solution and the particular solution together.

Answer to question: The solution of the differential equation

Plugging in 3 into the limit gives the indeterminate answer of 0/0. Applying L'Hosptal's Rule gives the limit of 1/g' (x) = 0. So, the limit of g' (x) as x approaches 3 is infinity. One solution would be to let g (x) equal √ (x-3). Then, f (x) will equal 1/√ (x-3). Comment on KLaudano's post “Let f (x) = 1/g (x).

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