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(C) Examples for Practice  
• Solve the following linear Diff Eqns .....  
(a) 
$$\frac{dv}{dt} = 9.8 - 0.196v$$
  
(b)  $\frac{dy}{dt} = -4y$   
(c)  $\frac{dy}{dx} - 2y = x$   
(d)  $\frac{dy}{dx} + 3x^2y = x^5$   
(2) Cálcular - Santowski





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## (G) Resources Detailed Notes & explanations/derivations from Paul Dawkins http://tutorial.math.lamar.edu/Classes/DE/Linear.aspx From patrickJMT: https://www.youtube.com/watch?v=Et4Y41ZNyao https://www.youtube.com/watch?v=RnYzatmp-\_s From Mathispower4u https://www.youtube.com/watch?v=HAb9JbBD2ig

https://www.youtube.com/watch?v=zN0TmKEXFh8

Calculus - Santowski

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