p.342 -343:

Definition of the Natural Exponential Function; Examples 1 - 2

Operations with Exponential Functions; Properties of the Natural Exponential Function

p.344-345: Derivatives of the Natural Exponential Function; Examples 3 - 5

p.348: Find the derivative of the function.

38. 
$$y = 5e^{x^2+5}$$

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$$y = 46. y = \ln\left(\frac{1+e^x}{1-e^x}\right) = 2\ln\left(\frac{1+e^x}{1-e^x}\right) = 2\ln\left(\frac{1+e^x}{1-e^x}\right$$

98. 
$$\int_{\frac{e^{1/2}}{2}}^{e^{1/2}} dt$$
  $\int_{\frac{e^{2x}}{2}}^{e^{2x}} (-\frac{2}{x^3}) dx = -\frac{1}{2} \int_{\frac{e^{2x}}{2}}^{e^{2x}} dt$   $\int_{\frac{e^{2x}}{2}}^{e^{2x}} (2e^{2x}) dx = -\frac{1}{2} \int_{\frac{e^{2x}}{2}}^{e^{2x}} dt$   $\int_{\frac{e^{2x}}{2}}^{e^{2x}} (2e^{2x}) dx = \frac{1}{2} \int_{\frac{e^{2x}}{2}}^{e^{2x}} dt$   $\int_{\frac{e^{2x}}{2}}^{e^{2x}} (2e^{2x}) dx = \frac{1}{2} \int_{\frac{e^{2x}}{2}}^{e^{2x}} dt$   $\int_{\frac{e^{2x}}{2}}^{e^{2x}} (2e^{2x}) dx = \frac{1}{2} \int_{\frac{e^{2x}}{2}}^{e^{2x}} dt$   $\int_{\frac{e^{2x}}{2}}^{e^{2x}} dt$   $\int_{\frac{e^{2x}}{2}}^{e^{$