Coulos Luigner Almoida Santos 20150465 Traballo 5 - CIV	
Traballe 5 - CIV	<i>•</i>
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77	
<u>a)</u>	
$xy''-(2x+8)y'+(x+8)y=-e^{x}$	
Y=ex brucas particular	
$\frac{1}{\sqrt{\rho}} = Ae^{\times}$	
$\frac{1}{\sqrt{1-\frac{1}{2}}} = Ae^{\times}$	No.
5 what tuinds:	4
$\frac{\times [Ae^{\times}] - (ax+8)[Ae^{\times}] + (x+8)[Ae^{\times}] = -e^{\times}}{\times [Ae^{\times}] - (ax+8)[Ae^{\times}] + (x+8)[Ae^{\times}] = -e^{\times}}$	
$-\frac{Ae^{x}\left[x-2x-8+x+8\right]=-e^{x}}{}$	
$A e^{\times} = -e^{\times}$	
A = -J	
$\frac{1}{\sqrt{1-e^{x}}} = -e^{x}$	
Agrim, para a relução benissima:	13
2 = (3) C F	= (01)1
xy'' - (2x + 8)y' + (x + 8)y = 0 = (5x)	(suit
110 formula de Abol:	in the second
- Ply)dx	
$\frac{1}{2}(x) = \frac{1}{2}(x) \left(\frac{1}{2}(x)\right)^2$	
$O(n) = -\left(\frac{1}{2}\left(\frac{1}{2} \times 9\right)\right) \times \left(\frac{1}{2}\left(\frac{1}{2}\right)\right) \times \left(\frac{1}{2}\left(\frac{1}{2}\left(\frac{1}{2}\right)\right) \times \left(\frac{1}{2}\left(\frac{1}{2}\right)\right) \times \left(\frac{1}{2}\left(\frac{1}{2}\left(\frac{1}{2}\right)\right) \times \left(\frac{1}{2}\left(\frac{1}{2}\right)\right) \times \left(\frac{1}{2}\left(\frac{1}{2}\left(\frac{1}{2}\right)\right) \times \left(\frac{1}{2}\left(\frac{1}{2}\right)\right) \times \left(1$	9 2×
(1x Polax > grand = 2	x.e
$y_{2}(x) = e^{x} \left[x^{8} \cdot e^{2x} dx = \right] e^{x} \left[x^{8} dx \right]$	
1 (ax) x ax	
$y(x) = e^{x} \left[x^{9} + C \right]$	
Abbim:	
1(x) = 1/2 - 2 /(x) = 8 x + C - ex	
7 9	FORONI



