EP-1  
(1) 
$$3' = 33$$
  
 $3 = Ae^{3x}$   
(2)  
 $62x = 0 \in 73 \in 3$   
 $3 = Ae^{-2x}$   
 $A7x = 12121027636$   
 $47x = 24x = 24x = 24e^{-2x} = x$   
 $47x = 24x = 24x = 24e^{-2x} = x$   
 $47x = xe^{2x} = x$   
 $4(x) = xe^{2x} = x$   
 $4(x) = xe^{2x} = 4e^{2x} + C$   
 $3 = Ce^{-2x} + x - 4$   
(1)  $(1+x) = xe^{2x} = x + x - 4$   
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$$(1+3) = (+2)$$

$$\ln (1+3) = -\ln (1+2) + C$$

$$1+3 = \frac{A}{1+2}$$

$$3 = \frac{A}{1+2} - C$$

$$e^{\int 2x dx} = e^{x^2}$$

(2) y'+ 2x3 = x

36下的新公尺经面

5亿个品处了各个公司。

= 2 = x+ f+Ce2x

子で、子「チ(かんと)子でころと 1-5/22 de = 00 5 2 Sx12 = 8 (xx12) + 15- 2 2- (s/(2) 8 = - s/a2 西型(2000×至加(72 2 e 08x - e 000x 51/x · Z = - e 08x 51/2 (Z. E 008x) = - E 08x . 2. e - e - e - x x dx = e coox + () & 2 = 1 + Ce-0082 マニターをおったべと 3 = [ + Ce - 00x : (I+ Ce-Coox) 3 =/ (2) マニオでまり、 到=-3~3、3 「いっちょうではまる」 x3"-31+3"= lax Jan = - lax 1-22/+ 2= lax 21-2=-lax = 2~1 「かはらってらなる」であ 2/x7- 2 = - lax : (2 · x +) = - elax = 2.2 = [-x2 lux dr  $= x^{-1} lux - \int (x^{-1} \cdot \frac{1}{2}) dr$ = x 1 lux + x 1 + C = 2= lax +1+Cx

$$Z = \frac{3}{5} \frac{1}{5} \frac{1}{5}$$

7= #230

チがらげんなる -acosx-bsicx+fasihx-46cosx+facosx+46ssch=56x 5 (3a-4b) asx + (4a+3b) ALX = 51. X [ 3a-4b = 0 (4 a+3b = 1 41= 3a 9a-12b=0 6= = a 4 (b a + (2b = 4)25 a = 4 a = 25b = 30 X117 元十 X200 75= 8 115 12 新校部 同战人接合人一般附至其至32,手代人一般的保 3 = (Ax +B) e2x + = 00x+ = 0xx 28-4 (1) 22-2-0 (n-2)(n+1)= O D= 2 r -1 3= Ae2x + Be-2 g=axe2, 3/=ae21+ 2axe2, 3"=2ae21+ 2ae21+ faxe22 = 40 e2 + 40 xe2 fae22+ faxe22- ae22- 2axe22- 2axe22= 6e22 30e22 = 6e22 a = 2 [ 3 = Ae2x+Be-x+2xe2x (2) x + 4 = 0 7 = £ 2 c : 3= A cos 22+ Bai, 22 3= ax au 2x + bx shex

3= a00522 - 2a2 s/22 + 6 s/22+ 2620 22 4 = - 2051 2x - 2056 2x - 40x cos 2x + 26 cos 2x +2600821-46xx1,22 -20 51 h 22 - 20 51 h 22 - fax too 22 + 26 cos 22 + 26 as 24 - Flate 22 +4a20002x+4b2x+2x=400122 -fariazze + 4b 00822 = 4 00522 5 Q = 0 r b = / 5 3 = Acos2x + Bri 20c + 2 x / 2x E2-8 (1) X= P, A #11 de = de de = de 2 did = did dr. dx + dd. dix = did ea. ea + dd. ea  $= \frac{1}{2} \chi^2 + \frac{1}{2} \chi^2$ S & da = da 2 dig = 000 - 000 27 你 子 5.1 23 - NB - 3 dB - (23 =0 12 - 4 dd - (2) = 0 (L) x2- 42-(2=0 (2-6)(2+2)=0 2=6,-2 : 2 = Ae6 + Be-2a = Ax6+Bx->

$$SF-S$$

$$(1) x = e^{t}$$

$$dd = \frac{\partial x}{\partial x} \frac{\partial x}{\partial x} = x \frac{\partial x}{\partial x}$$

$$e^{t} dd = \frac{\partial x}{\partial x} \frac{\partial x}{\partial x} = x \frac{\partial x}{\partial x}$$

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3 = ( - Apr

$$S = \begin{cases} C(1) \frac{\partial}{\partial x} \left[ \frac{\partial}{\partial x} \frac{\partial}{\partial y} \right] = -2\sqrt{1+\frac{\partial}{\partial x}} \\ \frac{\partial}{\partial x} \frac{\partial}{\partial y} = -\sqrt{1+\frac{\partial}{\partial x}} \\ \frac{\partial}{\partial x} \frac{\partial}{\partial y} = -\frac{2}{1+\frac{\partial}{\partial x}} \\ \frac{\partial}{\partial x} \frac{\partial}{\partial y} = -\frac{2}{1+\frac{\partial}{\partial x}} \\ \frac{\partial}{\partial x} \frac{\partial}{\partial y} = -\frac{2}{1+\frac{\partial}{\partial x}} \\ \frac{\partial}{\partial x} \frac{\partial}{\partial x} = -\frac{2}{1+\frac{\partial}{\partial x}} \\ \frac{\partial}{\partial x}$$

$$\frac{(fn)}{n+2n-1} n' = -\frac{1}{x}$$

$$\int \frac{(fn)}{n+2n-1} dn = \int -\frac{1}{x} dx$$

$$\int \frac{1}{x^2} \ln |n|^2 2n - 1| = -\ln|x| + C$$

$$\lim_{x \to \infty} |n|^2 2n - 1| = 2C$$

$$\lim_{x \to \infty} |n|^2 2n - 1| = A$$

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$$\lim_{x \to \infty}$$

$$= x + 3 - tan^{-1}(x + 3)$$

$$= x + 3 - tan^{-1}(x + 3) = x + C$$

$$3 - tan^{-1}(x + 3) = 2x$$

$$3 - tan^{-1}(x + 3) = 2x$$

$$4 - tan^{-1}(x$$

$$\frac{A}{\alpha} f \frac{BufC}{u^2+1}$$

$$A u^2 f A f B u^2 f C u$$

$$(A f B) u^2 f C u f A = 1-u^2$$

$$A f B = -1$$

$$A = 1$$

$$B = -2$$

$$C = 0$$

(2)  

$$u = x + 3 \in d3$$
  
 $u' = 1 + 3'$   
 $u' - 1 = tan u - 1$   
 $u' = 1$   
 $tan u = 1$   
 $tan u = 1$   
 $ln|sin u| = x + C$   
 $sin u = Ae^{x}$   
 $sin(x + 3) = Ae^{x}$