	n=1 n= d=3 d= p=	0		2			
0-3)(02+1)	CD2-30	y = (0-	3)(D2.	12/18	$e^{3x} +$	45m(x))
7-3(224)							
yh = 12-35		-3)=0	76=0 76=3				
ypnb = (7-3.	(7747)=0	73 = 3 R4 = 1 R5 = 1	-i7 a	(=0 B=7			
pnb = (3 xe	×+ (400	(Cx) + cs	sen C	7		11	

```
yph= c3 xe3x + (4000(x) + (5000(x))
 y'pnh = (3[(x)(3e3x)+(e3x)] - (4 son(x) + (5 cos(x)
y"ppb= 363 [(x)(3e3x)+(e3x)] + 363e3x - (4000(x) - (550n(x)
9(3xe3x + 363ex + 3(3e3x - (4cos6x) - 05 son(x)
-3(3e3xe3x + cye3x - (4sen(x) + cs coscar)
3 (3 e3x - (4000 (1) - (3 sen(x) +3 (45en(x) +3 (300(x) = 80 + 45en(x)
3630 = 8034 13=813
 - (4003(x)-3 (5005(x)) - (5500(x)+3(45006)=45006) +0005(x)
 (03 (x) (- (4-365) = 0 as(x) - (4-365=
sency)(-cs+3c4) = 45m(x) +cs+344=4
   C4=-365 -> -65+3(-365)=4-7-63-965=4 65=4/n
- (5= 2L (4= -3(-2) (4=+6/5
  (3 = 8/3 C4= 6/5 C5 = -2/5
   yp= \ xe3x + 6 (w)(x) + +2 sm(x)
  4g= (+ (203x + 8x e3x + 5 cos(x) - 2 sen(x))
```

```
7 co)= CD3+1/3
          y"+ 4 =
                                                XCOS - XCOSX
                                                                                n=7
                                                 n=2
                                                                             d=02 youles cos(x) (x-7)
                                                 2=0
                                                                              p=1.
(DS+1) 5 (DS+1) 7 = (DS+1) 5 (X CO) X - CO) X)
(23+1)3 (23+1) = 0
      yb = 1 = tl x=0 } yb= ex ((103(x) + (2)10(x))
      46= (51+1)=0 (55+1)(54+)=0
                                                                                                                                     Ry - -1
                                                                                                                                                                           13 =7
                                                                                                                                   75=+1
                                                                                                                                                                                                                                            9977777777777777777777777
         ypnb= (3xcos(x) + (4xscn(x) + (5x2cos(x) + (6x2sm(x)
          y'pnh = (3[->m(x)(x) + co>(x)] + (y((x)co>(x) + sin(x)]
                                      (5[(x2)(+5m(x))+ cos(x)(2x)]+ (6[(x2)(cos(x)+ sm(x)(2x)]
         y"pnh = - (3 [ W) (co)(x) + sen(x)] + (3 sen(x) + (4 [(x) (-sen(x)) + co)(x)] + (4 [(x) (-sen(x)) + sen(x) (2x)] +
                                  2(5 [WGSen(x)) + cos(x)] + (6 ta2)c-sen(x) + cos(x)(2x)]+
                                  206 two cos(x) + sen(x)]
      = -(3xco)(x) - (35cn(x) - (35cn(x) - (4x5cn(x) + (4co)(x) + (4co)(
      - (3x65(x)-2(3)cn(x)- (4x3cn(x) + 2(4c05(x)-65x2co5(x))
-4(5x3cn(x)+2(5c05(x)-(5x2cn(x)+4(6x65(x)+2(6)cn(x))
      -2(3)cn(x)-4(5x5cn(x) +2(6)cn(x) = 0)cn(x)
          2 (4(0)(x) + 2(5(0)(x) +4((x(0)(x)= (0)(x)(x-1)
```

7) 2(4+21	65 + 460x = x - 7	2) -263-465 x +2	
40	6x = x C6 = 1/4	7-203-90	5x= -12
		-4C5x	= Ox
	24+265=-7 24=-1	(5 :	ed allows
1+4+4	C4=-1/2	- 1213=	
(==)///	Cu =110 C = -0	(3=	1/4
	C4=-112 C5=0 C6		(3) 31 4
Abon = #xc	(x) -1/2xsencx)	+ 0 x2 cos(x) + 4,	rsen (x)
yg = (1000	(x) + (2 xn(x) + 4	(x) n = x = - (x) cosx	+ f x 2 sencx
7) 4"-2,	1+4 = De-2x) 2(0) = (0 ² +40.	
		=(02+40+5)
	d=-2 p=-1	64 - 123	
(0s+AD+2)	(D2-20+1)= (D2	140 to C10 c 2x cc > Cx	
(n2+42+	5)(22-22+1)=0	208 5-55	
		(2-1) - 2 =	
Control of the Contro	ex + coxex	Ro = 7	136
3 bus 2		16-20 = -4±2	2 = -2±2
1111	732-2+	$\frac{2}{\alpha} = \frac{2}{\beta}$	144
Abup = Esx	(C3 c03 CX) + C4 50	((×))	
y'pnb= (e2x	O(- Goods) + cum) + ((scosex)+	(4210(2))(-2
בו - אמינט	22/1	encx)) + C-cosencx) +	4300000

- (e-2x)(3 cos(x) - (e-(2x))((4 sencx)) + 202x (sen (x) - 202 (4000 (x
	(x) + 2 = (3 scn(x) - 2 = 2x cos(x) (4
= 3 e2x (3(05(4) + 4 e2x (35(n)	(x) +3 =2x (4 sen(x) - 4 =2x (4 cos(x))
	(x) -2 =2x (365 (x) -2 =2x (4 5m (x))
	1)+ 3 e2x (upon(x) - 4 e2x (4 cools)
	(x) + 4 = 2x (3 cos(x) + 4 = 2x (4 san (x)
= 7 = 2x (3cos(x) + 7 = 2x (4pcn)	(x) - 6 = 2x (4 cos (x) + 6 = x (3 sin (x))
+ e2x (300 (x) + 6-2x (4 sr	n(x)
8 e2x (30004) + 8 e2x (400	nw) - 6 e2x(4006x) + 6 e2x (3 sona)
8 2x (3665(x) - 6 2x (4,650	$(x) = 10 e^{2x} (\omega S(x))$
863-64=10	
8 e2x cyscn(x) + G2x (35m)	
	8C3 = 10+6C4 C3= 5+3C4
863-664=10	8(4+6(5+3(4))=0
6(3=-8(4)	8 (4+ · 30+ 18 (4 -> 8 (4+ 15 + 9 (4 ->
(3 = 24 = 4	2 2
-), / u	$C4 = \frac{15}{25} = \frac{3}{5}$
4phn = e2x (= cos cx) - = = = = = = = = = = = = = = = = = =	3 Sen Cx))
79= 40+ C2xcx + E	(= cos(x) - 3 sen(x))