	201	PARTIAL LIST (>> Analytical Solutions.
	K2(2)	Solutions of y"(n)+ K260 yen =0
	· a2	etian
2.	$\alpha/2^2$	α^{β} , $\beta = \frac{1}{2}(\pm 1 - 4 \times)$
3.	0 % +b	Ai(ξ) and Bi(ξ); $\xi = -\frac{\alpha x + b}{\alpha^{2/3}}$.
4.	(ax+b)m	$(an+b)^{\chi_2}J_{\mu}(\Xi) \text{ and } (an+b)^{\chi_2}\gamma_{\mu}(\Xi), \mu = \frac{1}{m+2}$
		$\xi = \frac{2(\alpha k + b)^{\frac{m}{2} + 1}}{(m+2)\alpha}$
5.	$\frac{ax^m+b}{x^2}$	2 Ju(E) and 2/2 Yu(E), == 2 Va x m/2
	2-	$M = \frac{(1-46)^{y_2}}{1-46}$
6.	ae"-b	W.
7.		Ju (3) and Yu (8); &= 2va e2/2; u=2vb
	$\frac{K}{(x-a)^2(x-b)^2}$	$(x-a)^{\frac{1+M}{2}}(x-b)^{\frac{1-M}{2}}$ and $(a-a)^{\frac{1-M}{2}}(a-b)^{\frac{1+M}{2}}$, $u^{2}1+\frac{4k}{(a-b)^{2}}$
8.	- a2 + ak + 4-1	$\frac{1}{5}$ $\frac{\pm m + \frac{1}{2}}{5}$ $\frac{-\frac{5}{2}}{5}$
	A-011	(a-6)2 m' \(\frac{\pm}{2}\) \(\frac{1}{2}\) \
		Constment stypes geometric functions.
9.	- \(\psi \(\psi \)	$\varnothing(n)$
10.	-[8(n)]2±0'(n)	exol=cx
		Expert & Stenative Lavory 2 F Jax 9 P P P P P P P P P P P P P P P P P P
11.	$\frac{n(n+1)}{1-x^2} + \frac{1-m^2}{(1-x^2)^2}$	$(1-\chi^2)^{1/2} p_n^m(x)$ or $(1-\chi^2)^{1/2} Q_n^m(n)$
		Legendre Functions.
		Jn(E) -> Bensel's Fretion 1 of Kind Tr(E) -> Bensel's Function 2nd Kind
		Ai (2) and R. (2) and Rind
		Ai (2) and Bi(2) are Airy Functions.