	Some Useful Symmation Formula: Page Date Page
	Sym closed form
C	$\frac{2}{\xi} \operatorname{ark}(r + 0) - \frac{qr^{n+1} - q}{r-1} r + \frac{7}{4}$
	archertile sontes sur experience of Nove 3
2	$\sum_{k=1}^{n} \frac{n(n+1)}{n(n+1)}$
	k=1
	2 r2 n(n) 1 1 (2n) 1 1 1
-0	$\sum_{k=1}^{2} r^{2} $ $n(n+1)(2n+1)$
<u> </u>	2K3 12(n+1)2
	K=1
	ZNK 12127
· (5)	Zxk /x/<1 - 1-x
	Se vet I I I I I I I I I I I I I I I I I I I
6	Z 1 × 1   x   < 1 - > 1
	I have been a second of the factor of the fa
Eg	: Find 300 k2
8	$\frac{1}{2} \frac{100}{2} = \frac{49}{2} = \frac{100}{2}$ $\frac{1}{2} \frac{100}{2} = \frac{49}{2} = \frac{1}{2} = \frac{100}{2} = \frac{1}{2} $
Si	100 100 49 2 K = E K 2 E K 2
	K=50 K=1 K=1
- on	100 2 100.101.201 - 49.50.99 - 388350 - 40,425
	= 297,925 G

house wolf baraing in 35 Counter Eg; What is the value of \( \le \S!\)

SE(0,2,9) Because & S regresents the sym of the values of S for all the members of the set (0,2,4), it follows
that

\$5 = 0+2+9=6/
\$6\{0,2,4\}\$