Nr.	Dezvoltare in Serie Fourier
1.	$f(x) = \dfrac{a_0}{2} + \sum\limits_{n=1}^{\infty} \left(a_n \cos nx + b_n \sin nx\right)$
2.	$\displaystyle\int_{-a}^{a} f(x)\,dx = \begin{cases} 2\displaystyle\int_{0}^{a} f(x)\,dx \Rightarrow \text{f(x) - para,} \\[4mm] 0 \Rightarrow \text{f(x) impara.} \end{cases}$
3.	$\sin n\pi = 0$
4.	$\cos n\pi = -1$

Nr.	Serii cu π
5.	$a_0 = \dfrac{1}{\pi} \displaystyle\int_{-\pi}^{\pi} f(x)\,dx$
6.	$a_n = \dfrac{1}{\pi} \displaystyle\int_{-\pi}^{\pi} f(x)\cos nx\,dx$
7.	$b_n = \dfrac{1}{\pi} \displaystyle\int_{-\pi}^{\pi} f(x)\sin nx\,dx$
8.	$f(x) = \dfrac{a_0}{2} + \sum\limits_{n=1}^{\infty} \left(a_n \cos \dfrac{n\pi x}{l} + b_n \sin \dfrac{n\pi x}{l}\right)$

Nr.	Serii cu l
9.	$a_0 = \dfrac{1}{l} \displaystyle\int_{-l}^{l} f(x)\,dx$
10.	$a_n = -\dfrac{1}{l} \displaystyle\int_{-l}^{l} f(x)\cos \dfrac{n\pi x}{l}\,dx$
11.	$b_n = \dfrac{1}{l} \displaystyle\int_{-l}^{l} f(x)\sin \dfrac{n\pi x}{l}\,dx$

Nr.	Prelungire Serie Para / de $\cos$
12.	$x \in [-l;0]; f(x) = f(-x)$
13.	$f(x) = \begin{cases} f(-x), & x \in [-l;0], \\[3mm] f(x), & x \in [0;l]. \end{cases}$

Nr.	Serii Fourier cu $T = 2l$
14.	$f(x) = \dfrac{a_0}{2} + \sum\limits_{n=1}^{\infty} \left(a_n \cos \dfrac{n\pi x}{l} + b_n \sin \dfrac{n\pi x}{l}\right)$