

CONCURSUL NATIONAL DE MATEMATICA VALERIU ALACI,  
 Ediția a V-a, 2019, Faza Finala  
**Varianta A**

**Secțiunea Matematică–Informatică — Clasa a XII-a**

GRILA  
 DE  
 CORECTARE

1.	a b c d e f Nu știu	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	(10 pt)	
2.	a b c d e f Nu știu	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	(10 pt)	
3.	a b c d e f Nu știu	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	(10 pt)	
4.	a b c d e f Nu știu	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	(10 pt)	
5.	a b c d e f Nu știu	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	(10 pt)	
6.	a b c d e f Nu știu	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	(10 pt)	
7.	a).	<input type="checkbox"/>	$\frac{1}{n!}$	(4 pt)
	b).	<input type="checkbox"/>	$e(n) = \begin{cases} 1, & n = 0, \\ 0, & n > 0 \end{cases}$	(6 pt)
8.		<input type="checkbox"/>	$\sqrt[2019]{674}$	(10 pt)
9.		<input type="checkbox"/>	244	(10 pt)
10.		<input type="checkbox"/>	$\frac{101}{8}$	(10 pt)
11.		<input type="checkbox"/>	$\sqrt{2} - 1$	(10 pt)
12.	a).	<input type="checkbox"/>	$(-\infty, +\infty)$	(3 pt)
	b).	<input type="checkbox"/>	$\frac{\pi}{8}$	(7 pt)