

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

Secțiunea SN, Tehnologic, Economic — 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.		$\frac{1}{2}$	(10 pt)
8.		$f(\widehat{k}) = a^k, 1 \leq k \leq p-1$	(10 pt)
9.	a).	$\frac{1}{n!}$	(4 pt)
	b).	$e(n) = \begin{cases} 1, & n = 0, \\ 0, & n > 0 \end{cases}$	(6 pt)
10.		$-\frac{181}{12}$	(10 pt)
11.		$2\sqrt{2}$	(10 pt)
12.	a).	60	(7 pt)
	b).	330	(3 pt)