5.	What is \begin {align} \frac{11!}{9!}\end {align}?	1 / 1 puntos
	○ 110,000	
	O 554, 400	
	$\bigcirc$ 4, 435, 200	
	110	
6.	What is the probability that, in six throws of a die, there will be exactly one each of "1" "2" "3" "4" "5" and "6"?	1 / 1 puntos
	0.01432110	
	<ul><li>.01543210</li></ul>	
	O .00187220	
	O .01176210	
7.	On $1\ \mbox{day}$ in $1000\mbox{,}$ there is a fire and the fire alarm rings.	1 / 1 puntos
	On $1\ \mbox{day}$ in $100\mbox{,}$ there is no fire and the fire alarm rings (false alarm)	
	On $1\ \mbox{day}$ in $10,000\mbox{,}$ there is a fire and the fire alarm does not ring (defective alarm).	
	On $9,889$ days out of $10,000$ , there is no fire and the fire alarm does not ring.	
	If the fire alarm rings, what is the (conditional) probability that there is a fire?	
	Written $p({\sf there}\;{\sf is}\;{\sf a}\;{\sf fire}\; \;{\sf fire}\;{\sf alarm}\;{\sf rings})$	
	90.9%	
	O 1.12%	
	9.09%	
	O 1.1%	

8.	On $1\ \mathrm{day}$ in $1000$ , there is a fire and the fire alarm rings.	1 / 1 puntos
	On $1\ \mbox{day}$ in $100\mbox{,}$ there is no fire and the fire alarm rings (false alarm)	
	On $1\ \mathrm{day}$ in $10,000$ , there is a fire and the fire alarm does not ring (defective alarm).	
	On $9,889$ days out of $10,000$ , there is no fire and the fire alarm does not ring.	
	If the fire alarm does not ring, what is the (conditional) probability that there is a fire?	
	p(there is a fire   fire alarm does not ring)	
	○ .10011%	
	○ 1.0001%	
	○ .01000%	
	• 0.01011%	
9.	A group of 45 civil servants at the State Department are newly qualified to serve as Ambassadors to foreign governments. There are 22 countries that currently need Ambassadors. How many distinct groups of 22 people can the President promote to fill these jobs?	0 / 1 puntos
	8.2334 \times (10^12)	
	\$\$4.1167 \times (10^12)	
	=2.429*(10^-13)	
	=1.06*(10^35)	

1 / 1 puntos