1.	If $x=$ "It is raining," what is $\sim (\sim x)$?	0 / 1 puntos
	"It is not raining"	
	○ "It is never raining"	
	○ "It is always raining"	
	O "It is raining"	
	Incorrecto The second negation cancels out the first one.	
	Similarly $\sim (\sim (\sim x)) = \sim x$	
2.	If the statement "I am 25 years old" is assigned probability 0 , what probability is assigned to the statement "I am not 25 years old"?	1/1 puntos
	① 1	
	O 0	
	Unknown	
	○ -1	
3.	If I assign to the statement x = "it will rain today" a probability of $p(x)=0.35$, what probability must I assign to the statement "it will not rain today?"	1 / 1 puntos
	O 0	
	○ .5	
	○ .35	
	$m{\checkmark}$ Correcto $p(x) + p(\sim x) = 1$	
4.	Is the following collection of statements a probability distribution?	1/1 puntos
	1. I own a Toyota pickup truck	
	2. I do not own a Toyota pickup truck	
	3. I own a non-Toyota pickup truck	
	4. l do not own a non-Toyota pickup truck	
	○ Yes	
	No	

5.	I don't know what it means to be "ingenuous." What probability would I assign to the statement, "I am ingenuous OR I am not ingenuous"?	(1/1 puntos
	-1.501	
	\checkmark Correcto It is always the case, regardless of the content of the statement x, that $p(x$ or $\sim x)=1$	
6.	A friend of mine circumscribes a circle inside a square, so that the diameter of the circle and the edge of the square are the same length. He asks me to close my eyes and pick a point at random inside the square. He says the probability that my point will also be inside the circle is $\frac{\pi}{4}$	0 / 1 puntos
	Is this correct?	
	○ Yes	
	No	
7.	The probability of drawing a straight flush (including a Royal Flush) in a five-card poker hand is 0.0000153908	1/1 puntos
	What is the probability of not drawing a straight flush?	
	.9967253809	
	.9999745688	
	.9996582672	
	9999846092	
	\checkmark Correcto $p(\sim x) = 1 - p(x)$	
8.	What is the probability that a fair, six-sided die will come up with a prime number? (Recall that prime numbers are positive integers other than 1 that are divisible only by themselves and 1)	1 / 1 puntos
	○ \begin {align}\frac{1}{3}\end {align}	
	● \begin {align} \frac{1}{2}\end {align}	
	○ \begin {align}\frac{2}{3}\end {align}	
	○ \begin {align} \frac{1}{6}\end {align}	