1.	You flip a fair coin two times. What is the probability of getting one head and one tail in any order?	1 point
	$\bigcirc \frac{1}{4}$	
	$\bigcirc \frac{3}{4}$	
	$\bigcirc \frac{1}{2}$	
2.	You throw two dice and sum the result, what is the probability the sum is equal to 10?	1 point
	$\bigcirc \frac{1}{12}$	
	$\bigcirc \frac{1}{18}$	
	$\bigcirc \frac{1}{36}$	
	$\bigcirc \frac{1}{6}$	
3.	You throw a six-sided dice 10 times, summing the result in each throw. What is the probability that the <b>sum of</b> results is greater than 10?	1 point
	Hint: Use the complement rule!	
	$\bigcirc$ 6 <sup>10</sup> $-$ 1	
	$\frac{1}{6^{10}}$	
	$\bigcirc \frac{1}{6}$	
	6	
	$\bigcirc \frac{5}{6}$	
	$\bigcirc \frac{1}{6^{10}}$	
	0	

4.	In an experiment, there are 100 patients. After taking medicine, 50 people experienced a headache and 50 people experienced a fever. The doctors want to find the probability that a patient may experience a headache <b>or</b> fever.	1 point
	Which of the following statements is true?	
	$\bigcirc$ Not enough information is given to calculate $P( ext{fever or headache}).$	
	$\bigcirc \ P( ext{fever or headache}) = P( ext{fever}) + P( ext{headache}) = 1.$	
	$\bigcirc P( ext{fever or headache}) = P( ext{fever}) * P( ext{headache}) = 0.25.$	
5.	A software company conducted a test on their new platform by exposing their users to two versions of the same product.	1 point
	Number of users that were given version A: 4000	
	Number of user that were given version B: 5000	
	Number of users that experienced a bug: 3000	
	Number of users with version B that experienced a bug: 1500	
	What is the probability that a user tested Version B, <b>given</b> they experienced a bug during testing?	
	Hint: $P(X Y) = rac{P(X \cap Y)}{P(Y)}$	
	O 10%	
	O 20%.	
	O 50%	
	O 40%	