Multiplying Probabilities

1.	A coin is tossed twice. What is the probability of obtaining two tails?
2.	A coin is tossed and a die is rolled. What is the probability of obtaining an even number on the die and a head on the coin?
3.	Each question on a six-question multiple choice quiz has 3 incorrect answers and 1 correct answer. If a student guesses on all 6 questions, what is the probability that the student guessed correctly on all six questions?

4.	A spinner contains 8 equal regions numbered 1 through 8. If the spinner is spun twice, find the probability of each.						
	a)	The spinner lands on an even number and then a prime number.		b)	The spinner lands on the number 4 twice.		
5.	 An urn contains 4 orange marbles and 2 green marbles. A marble is drawn at random and not replaced A second marble is then drawn from the urn. Find the probability of each. 						
	a)	Both marbles are orange.	b)	Both marble	es are green.		
	c)	Both marbles are the same color.					
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