Chapter 11 (p. 796, 11-1)	combination: A selection of a group of objects in which order is <i>not</i> important. The number of combinations of r objects chosen from a group of n objects is denoted $_nC_r$.
combination	For 4 objects <i>A</i> , <i>B</i> , <i>C</i> , and <i>D</i> , there are ${}_{4}C_{2} = 6$ different combinations of 2 objects: <i>AB</i> , <i>AC</i> , <i>AD</i> , <i>BC</i> , <i>BD</i> , <i>CD</i> .
Chapter 11 (p. 812, 11-3)	conditional probability: The probability of event <i>B</i> , given that event <i>A</i> has already occurred or is certain to occur, denoted P(B A); used to find probability of dependent events.
conditional probability	
Chapter 11 (p. 812, 11-3)	dependent events: Events for which the occurrence or nonoccurrence of one event affects the probability of the other event.
dependent events	From a bag containing 3 red marbles and 2 blue marbles, drawing a red marble, and then drawing a blue marble without replacing the first marble.
Chapter 11 (p. 805, 11-2)	experimental probability: The ratio of the number of times an event occurs to the number of trials, or times, that an activity is performed.
experimental probability	Kendra made 6 of 10 free throws. The experimental probability that she will make her next free throw is $P(\text{free throw}) = \frac{\text{number made}}{\text{number attempted}} = \frac{6}{10}.$

Chapter 11 (p. 795, 11-1)	factorial: If <i>n</i> is a positive integer, then <i>n</i> factorial, written <i>n</i> !, is $n \cdot (n-1) \cdot (n-2) \cdot \dots \cdot 2 \cdot 1$. The factorial of 0 is defined to be 1.
factorial	7! = 7 • 6 • 5 • 4 • 3 • 2 • 1 = 5040 0! = 1
Chapter 11 (p. 811, 11-3)	independent events: Events for which the occurrence or non-occurrence of one event does not affect the probability of the other event.
independent events	From a bag containing 3 red marbles and 2 blue marbles, drawing a red marble, replacing it, and then drawing a blue marble.
Chapter 11 (p. 802, 11-2)	theoretical probability: The ratio of the number of equally likely outcomes in an event to the total number of possible outcomes.
theoretical probability	The theoretical probability of rolling an odd number on a number cube is $\frac{3}{6} = \frac{1}{2}$.