Quick Questions 7 Understanding Probability

II. Place the letter of the appropriate definition, formula, or expression next to the concept it defines.

1. Probability	A. Each outcome has a known, equal chance of happening	
2. Inferential statistics	B. Combines two or more simple events	
3. Experiment	C. 1– P(A)	
4. Outcome	D. Mutually exclusive	
5. Event	E. The likelihood of something happening	
6. Compound event	F. Cannot be divided	
7. Simple event	G. P(A or B) = P(A) + P(B) - P(A and B)	
8. Probability of A's complement	H. Empirical probability	
9. A range for the probability of A	I. $P(A \text{ or } B) = P(A) + P(B)$	
10. When A does not intersect B	J. Estimating population parameters using sample statistics	
11. General rule of addition	K. Measurements resulting from an experiment	
12. The complement of A	L. Ã	
13. Another name for relative probability	M. A process resulting in one or more measurements	
14. Special rule of addition	$N. \ 0 \le P(A) \le 1$	
15. Classical probability	O. Collection of outcomes	

III. Identify these probability situations by placing in the space provided a C for Classical, E for Empirical, or S for Subjective.

1. Flipping a coin	
Drawing a red card from a deck of cards	
3. The chance of drivers stopping at a stop sign in the city of Boston	
Mary earning a grade of B or higher in Statistics I next term	
5. Darin Jones having a 10% increase in sales next year	
6. Salesperson A making a sale	
7. Drawing a red ball from a container of 3 red balls and 4 blue balls	
An advertising campaign increasing this December's sales	
School being called off in January because of inclement weather	
10. School being called off next Tuesday because of inclement weather	