CLASS ACTIVITY 6

1. In an intro stats class, 57% of students eat breakfast in the morning and 80% of students floss their teeth. Forty-six percent of students eat breakfast and floss their teeth. What is the probability that a student from this class eats breakfast but does not floss their teeth?
   
   A. 9%  
   B. 11%  
   C. 34%  
   D. 57%

2. In an intro stats class, 57% of students eat breakfast in the morning and 80% of students floss their teeth. Forty-six percent of students eat breakfast and floss their teeth. What is the probability that a student from this class eats breakfast or flosses their teeth?

   A. 9%  
   B. 11%  
   C. 34%  
   D. 91%

3. Insurance company records indicate that 12% of all teenage drivers have been ticketed for speeding and 9% for going through a red light. If 4% have been ticketed for both, what is the probability that a teenage driver has been issued a ticket for speeding but not for running a red light?

   A. 3%  
   B. 8%  
   C. 12%  
   D. 13%

4. Which two events are most likely to be independent?

   A. being a senior; going to homeroom  
   B. registering to vote; being left-handed  
   C. having a car accident; having a junior license  
   D. doing the Statistics homework; getting an A on the test  
   E. having 3 inches of snow in the morning; being on time for school

5. A poll of 120 Ithacans found that 30 had visited the new PRI museum, and that 80 had been to Home Depot. If it appeared that going to Home Depot and going to the museum were independent events, how many of those polled had been to both?

   A. 15  
   B. 10  
   C. 20  
   D. It cannot be determined.