For questions 1–2, suppose again that 28% of Cal Poly students have received a speeding ticket and 42% have received a parking ticket. Also suppose that 17% of Cal Poly students have received both a speeding ticket and a parking ticket.

1. Is receiving a parking ticket independent of receiving a speeding ticket? Justify your answer.

2. Change one of the three percentages given in order to make receiving a parking ticket independent of receiving a speeding ticket.

For questions 3–4, consider again the foul shooting contest of Example 6-6, in which Janelle has a .4 probability of making a foul shot, and Kaesha has a .8 probability. Continue to assume that they alternate shots until one of them makes a shot, but now suppose that Kaesha shoots first.

3. Determine the probability that Janelle wins the contest on her first shot.

4. Determine the probability that Kaesha wins the contest.

5. Identify the name given to the last example in Handout 6: _____________ Dice.