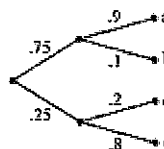
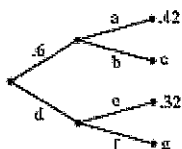


EXERCISES

Practice Your Skills

1. Create a tree diagram showing the different outcomes if the cafeteria has three main entrée choices, two vegetable choices, and two dessert choices.
2. Find the probability of each path, a-d, in the tree diagram at right. What is the sum of the values of a, b, c, and d?
3. Find the probability of each path, a-g, in the tree diagram below.



4. Three friends are auditioning for different parts in a comedy show. Each student has a 50% chance of success. Use the tree diagram at right to answer 4a-c.
 - a. Find the probability that all three students will be successful.
 - b. Find the probability that exactly two students will be successful.
 - c. If you know that exactly two students have been successful, but do not know which pair, what is the probability that Celina was successful?

