

Name: _____

Date: _____

Learning Goal 9.1

I can calculate probabilities.

Independent Events are when**Example** Draw a tree diagram to determine the sample space for flipping a coin and spinning the following spinner.

- What is the probability of the coin landing on heads and spinning R?
- What is the probability of the coin landing on tails and spinning a vowel?

Example

- What does it mean when a probability is equal to zero?
- What does it mean when a probability is equal to one?

Example Use a table to list the sample space for rolling two dice.

a. What is the probability of rolling two of the same numbers?

b. What is the probability of getting a sum of six?

c. What is the probability of getting a sum less than four?

d. What is the probability of getting a sum that is at least eight?