**Carnival Game Tycoon Lecture Notes: Lesson 3 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Delta College STEM Explorer

I. **Compound Events**: dealing with **\_\_\_\_\_\_\_** than one event.

* 1. Independent Events: One event does **not** affect the likelihood that the **\_\_\_\_\_\_\_**event will occur.
  2. Dependent Events: One event **\_\_\_\_\_\_\_** affect the likelihood that the **\_\_\_\_\_\_\_**event will occur

II. Calculating Compound Event Probabilities

* 1. Independent Events: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
     1. Likelihood of: Prime #, heads
     2. Spinner (5), tails
     3. Spinner (odd), heads

1. Dependent Events: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   * 1. Joker + Joker without replacement
     2. Bag of Chips 1-6. Even, Odd
     3. Bag of Chips 1-6. <3, >3