Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework option 2/3:

**Draw an independent event and dependent event tree diagram for the following and answer the questions for both the independent event and dependent event.**

You have four cards - red, blue, green and yellow. What are all the possibilities for drawing one card out of the bag and putting it back? What are all the possibilities of drawing one card and not putting it back?

|  |  |  |
| --- | --- | --- |
| Problem | Independent | Dependent |
| P( red, green) |  |  |
| P( yellow, not blue) |  |  |
| P(blue, not red) |  |  |