**Student Name:** _____ **Score:**

## Independent and Dependent

10 cards are numbered from 1 through 10. Cards are well shuffled and the cards are drawn at random.

| Problems | Work Space |
|---|---|
| Three cards are drawn without replacement. First and the second cards show 4 and 6 respectively. Find the probability of selecting an even number in a third draw.<br><br>Answer: _____ | |
| If the conditions are same as in question 1, find the probability of selecting an odd number in a third draw.<br><br>Answer: _____ | |
| If two cards are drawn with replacement, find the probability of choosing prime number in both first and second draw.<br><br>Answer: _____ | |
| If two cards are drawn without replacement, find the probability of drawing 4 or 5 in a first draw and any even prime in a second draw<br><br>Answer: _____ | |