

1. An urn contains 7 green balls and 5 red balls. And experiment consists of drawing 4 balls *with replacement* and noting the color of each ball. Let x be the random variable which counts the number of green balls in this sample.
 - (a) Develop the probability distribution of x .
 - (b) Find the mean of x .
 - (c) Find the standard deviation of x .
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3. Page 247, number 104.
4. Page 247, number 107.