

# Principles of Probability

<b>Started on</b>	Monday, 13 March 2023, 7:30 PM
<b>State</b>	Finished
<b>Completed on</b>	Monday, 13 March 2023, 7:50 PM
<b>Time taken</b>	20 mins
<b>Marks</b>	4.00/8.00
<b>Grade</b>	5.00 out of 10.00 (50%)

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**FINISH REVIEW**

## Question 1

Incorrect  
Mark 0.00 out of 4.00  
Flag question

A box contains 6 black balls, 9 blue balls, and 5 pink balls. We select randomly 4 balls from the box with order and without replacement. Write your answers in decimal form (when necessary, round to 2 decimal places).

1. The probability that the second ball is blue equals

0.19 **0.45**

x

2. The probability that the second and third balls are blue, the first ball is pink, and the fourth ball is black equals

0.012 **0.02**

x

## Question 2

Correct  
Mark 4.00 out of 4.00  
Flag question

Assume  $P(\bar{A}) = 0.1$ ,  $P(B) = 0.4$ , and  $P(B - A) = 0.1$ .

1.  $P(\bar{A} \cup B) =$

0.4

✓ .

2.  $P(A - B) =$

0.6

✓ .

**FINISH REVIEW**