#01 Probability

Total points 5/5 ⑦

✓ Q1. An experiment involves rolling a pair of dice and recording the numbers that come up. A: the sum is greater than 8, B: 2 occurs on either dice, C: the sum is at least 7 and a multiple of 3. Choose all the correct statements. *   2/2

☑ A and B are mutually exclusive.   ✓

☑ B and C are mutually exclusive.   ✓

☐ A and C are mutually exclusive.

☐ A, B, C are exhaustive

✓ A and B are mutually exclusive events associated with a random experiment such that P(A) = 0.4 and P(B) = 0.5, choose the correct statements. *

$P(A \cup B) = 0.9$

☑ Option 1 ✓

$P\left(\overline{A} \cap B\right) = 0.4$

☐ Option 2

$P\left(\overline{A} \cap \overline{B}\right) = 0.9$

☐ Option 3

$P\left(A \cap \overline{B}\right) = 0.4$

☑ Option 4 ✓

✓ A die is rolled, then the probability that 1 or 6 may appear is _____. *

○ 2/3

○ 5/6

◉ 1/3 ✓

○ 1/2

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