

Exercise 1

Calc. : ✖

Let A and B be two events such that $p(A) = 0.6$, $p(B) = 0.2$ and $p(A \cup B) = 0.7$

a) Calculate $p(A \cap B)$.

1 mark

b) Are A and B independent? **Justify**.

2 marks

c) Calculate $p(B|A)$.

2 marks

Exercise 2

Calc. : ✖

Soient A et B deux événements tels que $p(A) = 0,6$, $p(B) = 0,2$ et $p(A \cup B) = 0,7$

a) Calculer $p(A \cap B)$.

1 mark

b) A et B sont-ils indépendants? **Justifier**.

2 marks

c) Calculer $p_A(B)$.

2 marks