Assignment 7

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Abstract—This document contains the solution for Assignment 7(NCERT Class 12 13.2 1)

13.2 1 [NCERT 12] : If $\Pr(A) = \frac{3}{5}$ and $\Pr(B) = \frac{1}{5}$,find $\Pr(A \cap B)$ if A and B are independent events.
Solution:
Since A and B are independent events

$$\Pr(AB) = \Pr(A) \times \Pr(B) \qquad (1)$$

$$\implies \boxed{\Pr(AB) = \frac{3}{25}} \qquad (2)$$