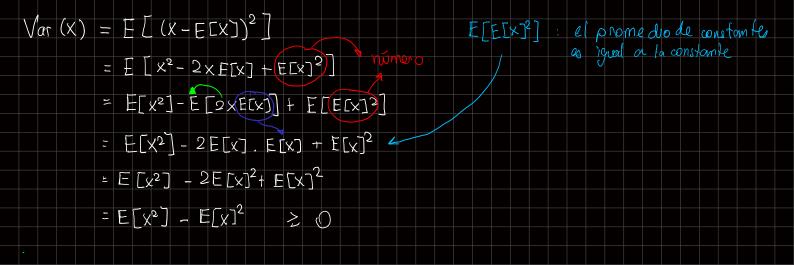
**Ejercicio 1**. Let X be a random variable that represents the number of heads in two tosses of a fair coin. What is the value of  $E[X^2]$ ? What is the value of  $E[X]^2$ ?



**Ejercicio 2**. Let X be a random variable that represents the sum of the results in the roll of n dice. What is the value of E[X]?

$$Q = \frac{1}{3} - \frac{1}{3} = \frac{1}{3} =$$