**PEOPLE’S DEMOCRATIC REPUBLIC OF ALGERIA**

**MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH**

**Badji Mokhtar-Annaba University**

**Department of Mathematics**

**Master 1: Exam**

**Year : 2020/2021**

**Exercise n° 1 : Write only in mathematical symbols**

1. **Limit to the power one over when tends to infinity equals one.**
2. **The right half-open interval from  to  is the**[**subset**](https://proofwiki.org/wiki/Definition:Subset) **of such that is greater than or equal to and less than**
3. **Six squared plus seven cubed minus two to the power nine equals negative one hundred thirty three.**
4. **The absolute value of minus is greater than or equal to the absolute value of the absolute value of minus the absolute value of**
5. **Two thirds plus one half minus one sixth plus five quarters minus one eighth equals two point one two five.**

**Exercise n° 2 : Fill in the gaps by the following words : number, dimensions,** [**multiplication**](https://en.wikipedia.org/wiki/Matrix_(mathematics)#Matrix_multiplication)**, while, array**

**Matrix**

**A matrix is a rectangular array of [numbers](https://en.wikipedia.org/wiki/Number" \o "Number) for which operations such as**[**addition**](https://en.wikipedia.org/wiki/Matrix_(mathematics)#Basic_operations)**and --------- are defined. Most commonly, a matrix over a [field](https://en.wikipedia.org/wiki/Field_(mathematics)" \o "Field (mathematics))  is a rectangular --------- of scalars, each of which is a member of .**

**The size of a matrix is defined by the --------- of rows and columns that it contains. A matrix with  rows and  columns is called an  matrix, or by matrix, ---------  and  are called its ---------.**

{\displaystyle \int \_{a}^{b}f(x)\,dx.}***-Good Luck-***

**Remark : You must send me the answer before Midday (12H) using my email : b\_hakima2000@yahoo.fr**