



Test

**Exercise 1** Write the verbs between brackets in the correct form

1. He (to revise)..... his lesson.
2. Yesterday, we (to visit).....our colleague.
3. Tomorrow, they (to travel)..... to London.
4. Now, I just (to eat) .....my breakfast.

**Exercise 2** Write in letters the following statements.

1.  $\forall x \in \mathbb{R}, \exists y \in \mathbb{R}; x + y = 1$  .....
2.  $(x > 0) \wedge (y > 0) \implies x + y > 0$ .....
3.  $\forall a, b \in \mathbb{R}; a^2 + b^2 \geq 2ab$ .....
4.  $\exists x, y \in \mathbb{R}_+, \sqrt{x+y} \leq \sqrt{x} + \sqrt{y}$ .....

**Exercise 3** Complete with : rational, prime, integer, divides.

1. Every .....number can be expressed into an.....number  $a$  over an ..... number  $b$ .
2. Every ..... number has only two divisors.
3. Every..... number can be written as a product of primes.
4. Let  $a$  and  $b$  two integers numbers, if  $b$  is a multiple of  $a$ , then  $a$ ..... $b$ .

**Exercise 4** Write in letters :

1.  $\sqrt[4]{a}$  :.....
2.  $\overline{5 + 2i} = 5 - 2i$ .....
3.  $\frac{2}{5}$ .....
4.  $P \iff Q$ .....
5.  $(-0,025) \times (\frac{1}{4})$ .....
6.  $(P \vee Q) \implies R$ .....