**Quantitative methods - lecture 2**

1. Domain of a function of the form: (function with linear expression)
2. Domain of a function of the form: (function with quadratic expression)

Firstly, we must decompose this expression into a product.

We can use the formula .

We can factor out:

Solving the quadratic equation:

Than we are going to solve quadratic inequation:

1) decomposition of expression into product

2) find zero points

3) find out what sign it takes in given interval (We choose number from interval and substitute it into the expression)

Solve the domain of functions: