## 01.1 algtri.quad Quadratic forms

The solution to equations of the form
$a x^{2}+b x+c=0$ is

$$
x=\frac{-b \pm \sqrt{b^{2}-4 a c}}{2 a}
$$

## Completing the square

This is accomplished by re-writing the quadratic
formula in the form of the left-hand-side (LHS)
of this equality, which describes factorization

$$
x^{2}+2 x h+h^{2}=(x+h)^{2}
$$

