Section 1.6b Other Types of Equations

# Objective 2: Solving Equations that are Quadratic in Form (“Disguised Quadratics”)

Quadratic equations of the form are relatively straight-forward to solve since we know several methods for solving quadratics. Sometimes equations that are not quadratic can be made into a quadratic equation by using a **substitution**. Equations of this type are said to be *quadratic in form* or *“disguised quadratics”*. These equations typically have the form  after an appropriate substitution.

| Original Equation | Identify *u.* | Find . | Make the substitutions. |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |