Recall the *standard form* of a quadratic equation: , where and are real numbers and .

Derive the quadratic formula by completing the square. It may be EC on the Exam.

***Quadratic Formula***

If with then

\*No point in using it if memorized incorrectly.

Ex 1 Solve using the quadratic equation.



Ex: If find the values of x such that

Ex: If Find all values of t such that

Multiply both sides of the equation by the LCD