Math 407, Fall 2005, Homework 2

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due September 5, 2005

Explain why the solutions to the equation

$$x^2 + x - 2 = 0$$

are x = -2 and x = 1. (This means you have to both show that those numbers are solutions, and that any solution is one of those numbers.) Your answer should not just be the sequence of algebraic manipulations that you need to perform, but should also provide all the words that show the logical connection between the algebraic manipulations.

Also, you should write in complete sentences, with periods, commas, and all those things. Extra points if you put the whole thing into verse.