Math 10270 : Quiz 1

1. (10 points.) Describe how to construct an angle of 30 degrees using only a straightedge and compass.

You should explain all steps clearly, perhaps with illustrations, but you do not need to prove that the angle you end up with is 30 degrees.

2. (10 points.) Solve the equation $x^2 + x - 1 = 0$.
Explain your method, but you do not need to justify it.