Trial and Improvement

Part 1: Showing the location of a solution between two values

Show that there is a solution to the following equations between the given pair of values

$x^2 - 5x + 5 = 0$ $Between\ the\ values\ x = 1\ and\ x = 2$	$x^2 + 5x - 3 = 0$ $Between\ the\ values\ x = 0\ and\ x = 1$
$x^3 + 2x - 4 = 0$ $Between\ the\ values\ x = 1\ and\ x = 2$	$sinx = 29$ $Between\ the\ values\ x = 0.4\ and\ x = 0.5$

Part 2: Finding a solution to 1d.p.

Solve the following equations to 1 d.p. (They are done partially done for you)

Solve $x^2 - 8x + 13 = 0$		
x	$x^2 - 8x + 13$	Conclusion
2		
3		
2.1		
2.2		
2.3		

Solve $x^3 + 2x = 9$		
x	$x^3 + 2x$	Conclusion
1		
2		
1.1		
1.2		
1.3		

Solve $3^x + 1 = 5$		
x	$3^x + 1$	Conclusion
1		

Solve $sinx = 0.51$		
x	$sinx$	Conclusion
30		
31		