**ECS20**

Discussion: 11/28 – 12/02

***Induction:***

Use induction to prove each of the following:

a) for all n >0

b) Let h be a real number with h > 1. Show that  for all n >0

c) Show that *n2-1* is divisible by 8 whenever *n* is a odd positive integer

***Fibonacci:***

The following problem refer to the Fibonacci numbers defined in class:

Show that for all n >0, 