**Question 2,**

**A,**

**F(n) >= (4/3)n  for n>4**

**For n =**

**F(5) =5 (4/3)5 = 4.2**

**5>4.2**

**For n = k**

**Assume F(k) = (4/3)k  holds true**

**Proof F(k+1) > (4/3)k+1  for k>4**

**LHS F(k) + F(k-1) RHS (4/3)k \* (4/3)**

**F**(k) > (4/3)k  by assumption

**F(k-1)** > 4/3 since k > 4 and F(3) = 2 > 4/3

**Hence LHS > RHS**

**Therefore F(n) > (4/3)n**