Algorithm-1  
Step 1: start   
Step 2: take input x and y  
Step 3: declare average  
Step 4: average = (x+y)/2  
step 5: display average  
Step 6: stop  
  
Algorithm-2  
step1: start  
step2: take days as input  
step3: charge = days\* 0.20  
step4: print charge  
step5: end  
  
Algorithm-3  
step1: start  
step2: take price as input  
step3: discount = price\*0.15  
step4: net\_price = price-discount  
step5: display net\_price  
step6: start  
  
Algorithm-4  
step1: start  
step2: take n1, n2, n3 as input  
step3: if n1 < n2 and n1 < n3   
step4: print n1 smallest  
step5: elif n2<n3  
step6: print n2 smallest  
step7: else print n3 smallest  
step8: start  
  
Algorithm-5  
step1: start  
step2: declare input b, a, c  
step3: roots = sqrt((b^2 - 4\*a\*c)/2)  
step4: print roots  
step5: stop  
  
Algorithm-6  
step1: start  
step2: take input n  
step3: initialize fact=1  
step4: for value 1 to n   
step5: fact = fact \* value  
step6: print fact  
step7: end



